February 15, 1967

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CLEARINGHOUSE
FOR FEDERAL SCIENTIFIC AND TECHNICAL INFORMATION

NATIONAL BUREAU OF STANDARDS / OLOGY

February 15, 1967 Volume 17, Number 3

TECHNICAL TRANSLATIONS

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FORMAT

This journal is separated into five sections:

(1) Bibliographic citations are divided into 22 major fields; they are further subdivided alphanumerically under 178 groups. References to sources of original text are given as they appear on the translation, with sufficient editing to assure uniformity in citations.

(2) Translations in Process lists titles of translations being prepared by government and private sources. All Special Foreign Currency Science Information (SFCSI) Program translations are listed (formerly PL 480 Program).

(3) Translated or Abstracted Publications lists titles of approximately 190 technical and scientific periodicals regularly translated into English. Included is a cross reference by English title.

(4) Translated Tables of Contents of recent issues of monographs, journals, and journal sections; they are preceded by a list of the English titles of the publications from which they are taken.

(5) Indexes: three indexes are arranged by author, journal and number.

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JPRS social science translations are announced in this journal and are available from the Clearinghouse.

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CONTENTS

Page

01 AERONAUTICS 1

Includes aerodynamics; aeronautics; aircraft; aircraft flight control and instrumentation; and air facilities. See also related fields: 16 Missile Technology, 17 Navigation, Communications, Detection, and Countermeasures, 20 Physics, and 22 Space Technology.

02 AGRICULTURE 1

Includes agricultural chemistry; agricultural economics; agricultural engineering; agronomy and horticulture; animal husbandry; and forestry. See also related field: 06 Biological and Medical Sciences.

03 ASTRONOMY AND ASTROPHYSICS 3

Includes astronomy; astrophysics; and celestial mechanics.

04 ATMOSPHERIC SCIENCES 3

Includes atmospheric physics and meteorology.

05 BEHAVIORAL AND SOCIAL SCIENCES 4

Includes administration and management; documentation and information technology; economics; history, law and political science; human factors engineering; humanities; linguistics; man-machine relations; personnel selection, training, and evaluation; psychology (individual and group behavior); and sociology. See also related field: 06 Biological and Medical Sciences.

06 BIOLOGICAL AND MEDICAL SCIENCES 11

Includes biochemistry; bioengineering; biology; bionics; clinical medicine; environmental biology; escape, rescue, and survival; food; hygiene and sanitation; industrial (occupational) medicine; life support; medical and hospital equipment and supplies; microbiology; personnel selection and maintenance (medical); pharmacology; physiology; protective equipment; radiobiology; stress physiology; toxicology; and weapon effects. See also related fields: 02 Agriculture, 05 Behavioral and Social Sciences, and 07 Chemistry.

07 CHEMISTRY 44

Includes chemical engineering; inorganic chemistry; organic chemistry; physical chemistry; and radio and radiation chemistry. See also related fields: 06 Biological and Medical Sciences, 11 Materials, 20 Physics, and 21 Propulsion and Fuels.

08 EARTH SCIENCES AND OCEANOGRAPHY 52

Includes biological oceanography; cartography; dynamic oceanography; geochemistry; geodesy; geography; geology and mineralogy; hydrology and limnology; mining engineering; physical oceanography; seismology; snow, ice, and permafrost; soil mechanics; and terrestrial magnetism. See also related field: 04 Atmospheric Sciences.

09 ELECTRONICS AND ELECTRICAL ENGINEERING 53

Includes components; computers; electronic and electrical engineering; information theory; subsystems; and telemetry. See also related fields: 10 Energy Conversion (Non-propulsive) and 20 Physics.

10 ENERGY CONVERSION (Non-Propulsive) 55

Includes conversion techniques; power sources; and energy storage. See also related fields: 09 Electronics and Electrical Engineering and 20 Physics.

11 MATERIALS 56

Includes adhesives and seals; ceramics, refractories, and glasses; coatings, colorants, and finishes; composite materials; fibers and textiles; metallurgy and metallography; miscellaneous materials; oils, lubricants, and hydraulic fluids; plastics; rubbers; solvents, cleaners, and abrasives; and wood and paper products. See also related fields: 07 Chemistry, 13 Mechanical, Industrial, Civil, and Marine Engineering, and 21 Propulsion and Fuels.

12 MATHEMATICAL SCIENCES 59

Includes mathematics and statistics and operations research. See also the specific field of application.

13 MECHANICAL, INDUSTRIAL, CIVIL, AND MARINE ENGINEERING 60

Includes air conditioning, heating, lighting, and ventilating; civil engineering; construction equipment, materials, and supplies; containers and packaging; couplings, fittings, fasteners, and joints; ground transportation equipment; hydraulic and pneumatic equipment; industrial processes; machinery and tools; marine engineering; pumps, filters, pipes, tubing, fittings, and valves; safety engineering; and structural engineering. See also related fields: 07 Chemistry and 09 Electronics and Electrical Engineering.

14 METHODS AND EQUIPMENT 65

Includes cost effectiveness; laboratories, test facilities, and test equipment; recording devices; reliability; and reprography.

15 MILITARY SCIENCES 66

Includes antisubmarine warfare; chemical, biological, and radiological warfare; defense; intelligence; logistics; nuclear warfare; nd operations, strategy, and tactics. See also related fields: 16 Missile Technology and 17 Navigation, Communications, Detection and Countermeasures.

16 MISSILE TECHNOLOGY . . . . . No Entries

Includes missile launching and ground support; missile trajectories; missile warheads and fuzes; and missiles. See also related fields: 01 Aeronautics, 17 Navigation, Communications, Detection, and Countermeasures, 19 Ordnance, 21 Propulsion and Fuels, and 22 Space Technology.

17 NAVIGATION, COMMUNICATIONS, DETECTION, AND COUNTERMEASURES 66

Includes acoustic detection; communications; direction finding; electromagnetic and acoustic countermeasures; infrared and ultraviolet detection; magnetic detection; navigation and guidance; optical detection; radar detection; and seismic detection. See also related fields: 09 Electronics and Electrical Engineering and 20 Physics.

18 NUCLEAR SCIENCE AND TECHNOLOGY 67

Includes fusion devices (thermonuclear); isotopes; nuclear explosions; nuclear instrumentation; nuclear power plants; radiation shielding and protection; radioactive wastes and fission products; radioactivity; reactor engineering and operation; reactor materials; reactor physics; reactors (power); reactors (non-power); and SNAP technology. See also related fields: 07 Chemistry, 15 Military Sciences, 18 Nuclear Science and Technology, 20 Physics, and 21 Propulsion and Fuels.

19 ORDNANCE 67

Includes ammunition, explosives; bombs; combat vehicles; explosions, ballistics, and armor; fire control and bombing systems; guns; rockets; and underwater ordnance. See also related field: 18 Nuclear Science and Technology.

20 PHYSICS 68

Includes acoustics; crystallography; electricity and magnetism; fluid mechanics; masers and lasers; optics; particle accelerators; particle physics; plasma physics; quantum theory; solid-mechanics; solid-state physics; thermodynamics and wave propagation. See also related fields: 03 Astronomy and Astrophysics, 07 Chemistry, 09 Electronics and Electrical Engineering, 10 Energy Conversion (Non-propulsive), 11 Materials, 13 Mechanical, Industrial, Civil, and Marine Engineering, and 17 Navigation, Communications, Detection, and Countermeasures.

21 PROPULSION AND FUELS 72

Includes air-breathing engines; combustion and ignition; electric propulsion; fuels; jet and gas turbine engines; nuclear propulsion; reciprocating engines; rocket motors and engines; and rocket propellants. See also related fields: 07 Chemistry and 20 Physics.

22 SPACE TECHNOLOGY 72

Includes astronautics; spacecraft; spacecraft trajectories and reentry; and spacecraft launch vehicles and ground support. See also related fields: 01 Aeronautics, 03 Astronomy and Astrophysics, 16 Missile Technology, 17 Navigation, Communications, Detection, and Countermeasures, and 21 Propulsion and Fuels.

TRANSLATIONS IN PROCESS A-1
TRANSLATED or ABSTRACTED PUBLICATIONS
(This section appears semiannually. For latest list, see TT Vol. 16, No. 4)
NOTES ON INDEXES I-1
AUTHOR INDEX I-2
JOURNAL INDEX I-6
ACCESSION/REPORT NUMBER INDEX I-14
DIRECTORY OF SOURCES I-20

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TECHNICAL TRANSLATIONS

01 AERONAUTICS

TT-66-35070 Field 1-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ENGINEERING AND EQUIPMENT NO. 62. 15 Nov 66, 12p. JPRS-38645. Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35070

Abstract trans. of Hang K'ung Chih Shih (Chinese People's Republic) n7 p1-31ff 1964.

A. Aerodynamics

TT-67-60262 Field 1A

Bekua, I. N.
ABOUT PRANDTL'S INTEGRODIFFERENTIAL EQUATION. 2 Sep 66, 14p, 5refs. FTD-HT-66-149; AD-643 738.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 738

Unedited rough draft trans. of Prikladnaya Matematika i Mekhanika (USSR) v9 n2 p143-50 1945.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

B. Aeronautics

TT-66-35457 Field 1B, 1C

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ENGINEERING AND EQUIPMENT NO. 67. 9 Dec 66, 12p. JPRS-39034.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35457

Abstract trans. of Hang K'ung Chih Shih (Chinese People's Republic) n4 p1-31ff 1964.

TT-67-60308 Field 1B, 1A, 20K

NEWS OF SCHOOLS OF HIGHER EDUCATION AERONAUTICAL ENGINEERING VOL. 7, NO. 3 1964: COLLECTION OF ARTICLES. 28 Sep 66, 150p, 60refs. FTD-MT-64-363; AD-644 068.
Order from CFSTI: HC$3.00, MF$0.65 as AD-644 068

Edited machine trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) v7 n3 132p 1964.
For another listing of this journal see 'Translated or Abstracted Publications, in TT Vol. 16, No. 4.

TT-67-60326 Field 1B

Ostoslavskii, I. V.; Strazheva, I. V.
FLIGHT DYNAMICS: AIRCRAFT TRAJECTORIES. 19 May 66, 673p, 43refs. FTD-HT-66-243; AD-644 141.
Order from CFSTI: HC$3.00, MF$0.65 as AD-644 141

Unedited rough draft trans. of mono. Dinamika Poleta, Traektorii Letatelnykh Apparatov, Moscow, 1963 430p.

TT-67-60327 Field 1B, 1A, 22A, 17B

Vorobev, B. N., ed.; Sokolskii, V. N., ed.
KONSTANTIN EDUARDOVICH TSIOLOVSKII: SELECTED WORKS. 5 May 66, 758p.
FTD-MT-64-241; AD-644 143.
Order from CFSTI: HC$3.00, MF$0.65 as AD-644 143

Edited machine trans. of mono. Konstantin Eduardovish Tsiolkovskii: Izbrannye Trudy, Moscow, 1962 535p.

C. Aircraft

TT-66-35562 Field 1C

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ENGINEERING AND EQUIPMENT NO. 70. 15 Dec 66, 24p. JPRS-39139.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35562

Abstract trans. of Hang K'ung Chih Shih (Chinese People's Republic) n5 p1-31ff; n6 p1-31ff 1964.

TT-67-60323 Field 1C

Sklyanskii, F. I.
CONTROL OF SUPERSONIC AIRCRAFT. 31 May 66, 385p, 95refs. FTD-MT-65-89; AD-644 145.
Order from CFSTI: HC$3.00, MF$0.65 as AD-644 145

Edited machine trans. of mono. Upravlenie Sverkhzvukovogo Samoleta, Moscow, 1964 388p.

TT-67-60334 Field 1C

Shulzhenko, M. N.; Mostovoi, A. S.
A COURSE IN ARICRAFT DESIGN. 21 Sep 66, 558p, 22refs. FTD-MT-66-32; AD-643 921.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 921

Edited machine trans. of mono. Kurs Konstruktsii Samoletov, 2d ed., Moscow, 1965 563p.

02 AGRICULTURE

TT-66-35551 Field 2-

EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES: TRANSLATIONS NO. 504. 15 Dec 66, 65p. JPRS-39128.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35551

B. Agricultural economics

TT-66-35442 Field 2B, 5D

STUDIES, NO. 10, 1966. 8 Dec 66, 131p. JPRS-39019.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35442

Trans. of Hoc Tap (North Vietnam) n10 p1-107 1966.

TT-66-35443 Field 2B, 2C

Melnik, G.; Radov, G.; Komarovskii, A.
USSR AGRICULTURE: TRANSLATIONS NO. 175.
8 Dec 66, 22p. JPRS-39020.
Order from CFSTI: HC$3.00, MF$0.65 as
TT-66-35443

Trans. of Ekonomicheskaya Gazeta (USSR) n40 p7,
13, 28, 29 1966.

TT-66-35507 Field 2B

EAST EUROPEAN AGRICULTURE, FORESTRY, AND
FOOD INDUSTRIES: TRANSLATIONS NO. 503.
13 Dec 66, 37p. JPRS-39084.
Order from CFSTI: HC$3.00, MF$0.65 as
TT-66-35507

TT-66-35560 Field 2B

Guzhvin, P.
USSR AGRICULTURE: TRANSLATIONS NO. 178.
Autonomous Financing in Agriculture and
Statistics. 15 Dec 66, 20p. JPRS-39137.
Order from CFSTI: HC$3.00, MF$0.65
as TT-66-35560

Trans. of Vestnik Statistika (USSR) n9 p13-23
1966.

TT-66-35569 Field 2B, 2C

Karpov, K.; Komarovskii, A.; Basiev, O.
USSR AGRICULTURE: TRANSLATIONS NO. 179.
16 Dec 66, 19p. JPRS-39146.
Order from CFSTI: HC$3.00, MF$0.65
as TT-66-35569

Trans. of Ekonomicheskaya Gazeta (USSR)
n36 p12, 31, 33 1966.

TT-66-35587 Field 2B, 2D

Viltsin, I.; Zhurikov, V.; Burdenkov, G.;
Zabarauskas, G.
USSR AGRICULTURE: TRANSLATIONS NO. 180.
19 Dec 66, 24p. JPRS-39164.
Order from CFSTI: HC$3.00, MF$0.65
as TT-66-35587

Trans. of Ekonomicheskaya Gazeta (USSR)
n41 p29, 32, 33, 34 1966.

TT-66-35768 Field 2B

Radov, G.
SOME EFFECTS OF INCREASED INCENTIVES ON
FARM PRODUCTION. 30 Dec 66, 18p. JPRS-39346.
Order from CFSTI: HC$3.00, MF$0.65
as TT-66-35768

Trans. of Literaturnaya Gazeta (USSR) 18 Oct p2-3;
20 Oct p1-2 1966.

TT-67-30005 Field 2B

Volosenkov, G.
INCREASED MATERIAL INTEREST AND IMPROVED
WAGES FOR COLLECTIVE FARMERS. 3 Jan 67,
16p. JPRS-39354.
Order from CFSTI: HC$3.00, MF$0.65
as TT-67-30005

Trans. of Ekonomika Selskogo Khozyaistva (USSR)
n7 p25-34 1966.

C. Agricultural engineering

TT-66-35452 Field 2C, 2B

Bogdanovic, M.; Sekularac, B.
EAST EUROPEAN AGRICULTURE, FORESTRY, AND
FOOD INDUSTRIES NO. 501. 9 Dec 66, 21p.
JPRS-39029.
Order from CFSTI: HC$3.00, MF$0.65 as
TT-66-35452

Trans. of Opstina (Yugoslavia) n9 p14-24 1966 and
from Propisi i Praksa (Yugoslavia) 12 Nov p1-3 1966.

TT-66-51135/2 Field 2C

Gedroits, K. K.
GEDROITS, K. K.; SELECTED ARTICLES. 1966, 77p,
refs. SFCSI-Agr(TT-66-51135/2).
Order from CFSTI: $3.00 as TT-66-51135/2

Trans. of Zhurnal Opytnoi Agronomii (USSR) v22 n1
p3-28 1921/23 and of mono. Gedroits, K. K.,
Izbrannye Sochineniya, vol. 1, n.p., 1955 p105-21,
176-213 1955.

D. Agronomy and horticulture

TT-66-35475 Field 2D, 5I, 5D

Nguyen Xuan Tuan; Le An Ninh; Ngo Duy Dong;
Tran Huy Lieu.
NORTH VIETNAM: TRANSLATIONS NO. 74.
12 Dec 66, 24p. JPRS-39052.
Order from CFSTI: HC$3.00, MF$0.65
as TT-66-35475

Trans. from Nhan Dan (North Vietnam) 28 Oct p2,
3 1966 and of Nghien Cuu Lich Su (North Vietnam)
n91 p1-4 1966.

TT-66-35529 Field 2D

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS:
AGRICULTURAL SCIENCES AND TECHNOLOGY
NO. 40. 14 Dec 66, 15p. JPRS-39106.
Order from CFSTI: HC$3.00, MF$0.65
as TT-66-35529

Abstract trans. of Chung Kuo Nung Yeh K'o Hsueh
(Chinese People's Republic) n7 p1-57 1966 and
T'u Jang T'ung Pao (Chinese People's Republic)
n4 p1-64 1966.

E. Animal husbandry

TT-66-34669 Field 2E, 6C

Kudryavtsev, A. A.; Shatalov, P. I.; Barulin, K. I.;
Dedash, V. G.
SOVIET ZOOTECHNICIAN N. G. BELENKII
CRITICIZED FOR POOR RESEARCH PRACTICES.
19 Oct 66, 4p. JPRS-38243.
Order from CFSTI: HC$3.00, MF$0.65
as TT-66-34669

Trans. from Pravda, Moscow (USSR) 8 Jul p3 1966.

TT-66-59005/2 Field 2E, 2D

JOURNAL FOR SCIENTIFIC AGRICULTURAL RESEARCH, VOL. 19, NO. 65, 1966. Tr. by Bozidar Filipovic. 1966, 131p, refs. SFCSI-Agr(TT-66-59005/2). Order from CFSTI: $3.00 as TT-66-59005/2

Trans. of Arhiv za Poljoprivredne Nauke i Tehniku (Yugoslavia) v19 n65 p3-148 1966.

F. Forestry

TT-66-35167 Field 2F

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: AGRICULTURAL SCIENCES AND TECHNOLOGY NO. 37. 22 Nov 66, 17p. JPRS-38743. Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35167

Abstract trans. of Lin Yeh K'o Hsueh (Chinese People's Republic) v11 n3 p1-246 1966.

TT-66-35464 Field 2F, 2D

Statkov, N.; Krumbiegel D.; Bakes, U.; Hampu, V.; Pirvulescu, S.
EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES NO. 502. 9 Dec 66, 30p. JPRS-39041. Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35464

Trans. of Revista Padurilor (Rumania) v81 n8 p427-33; n9 p492-4 1966 and die Deutsche Landwirtschaft (East Germany) n11 p559 60 1966.

TT-66-35508 Field 2F, 6C, 8G

COMMUNIST CHINA: SCIENCE AND TECHNOLOGY TRANSLATIONS NO. 353. 13 Dec 66, 25p. JPRS-39085. Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35508

03 ASTRONOMY AND ASTROPHYSICS

B. Astrophysics

TT-67-60284 Field 3B

Chen Biao; Yin Chun-lin.
ON PERIODICITIES OF SOLAR ACTIVITY. 28 Sep 66, 15p, 11refs. FTD-HT-66-115; AD-644 016. Order from CFSTI: HC$3.00, MF$0.65 as AD-644 016

Edited trans. of Tien Wen Hsueh Pao (Chinese People's Republic) v13 n1 p89-96 1965.

TT-67-60307 Field 3B, 6C

Gindilis, L. M.
THE POSSIBILITIES OF COMMUNICATION WITH EXTRATERRESTRIAL CIVILIZATIONS. 27 Sep 66. 27p (figs omitted). FTD-HT-66-517; AD-644 067. Order from CFSTI: HC$3.00, MF$0.65 as AD-644 067

Unedited rough draft trans. of Zemiya i Vselennaya (USSR) v1 n1 p18-27 1965.

04 ATMOSPHERIC SCIENCES

A. Atmospheric physics

TT-67-60198 Field 4A, 20N

Nerovnya, L. K.; Kashin, A. A.; Andreev, E. G.
ON THE MEASUREMENT OF IONOSPHERIC DRIFTS (Ob Izmerenii Ionosfernykh Dreifov). 7 Dec 66, 8p, 3refs. FTD-HT-66-274; AD-643 628. Order from CFSTI: HC$3.00, MF$0.65 as AD-643 628

Unedited rough draft trans. of Moscow Univ., Vestnik. Seriya 3: Fizika, Astronomiya (USSR) n1 p121-3 1966.

TT-67-60209 Field 4A

Chen Shou-jun.
THE SPECTRA OF LARGE SCALE ATMOSPHERIC FLOW AT 100 mb. 8 Dec 66, 14p, 9refs. FTD-HT-66-437; AD-643 636. Order from CFSTI: HC$3.00, MF$0.65 as AD-643 636

Edited trans. of Ch'i Hsiang Hsueh Pao (Chinese People's Republic) v33 n3 p333-8 1963.

TT-67-60268 Field 4A, 4B

Wang Shao-wo.
A PRELIMINARY STUDY OF THE CHARACTERISTICS AND EVOLUTION OF MEAN MONTHLY CIRCULATION. 13 Oct 66, 30p, 37refs. FTD-HT-66-400; AD-643 972. Order from CFSTI: HC$3.00, MF$0.65 as AD-643 972

Edited trans. of Ch'i Hsiang Hsueh Pao (Chinese People's Republic) v33 n3 p361-74 1963.

TT-67-60304 Field 4A, 3B

Vernov, S. N.; Driatskii, V. M.
THE BEHAVIOR OF RADIATION BELTS AND ANOMALOUS ABSORPTION OF COSMIC RADIO NOISE IN THE ZONE OF THE POLAR AURORA DURING THE MAGNETIC STORMS OF 12-14 FEBRUARY AND 20-21 FEBRUARY 1964. 12 Sep 66, 16p, 9refs. FTD-HT-66-304; AD-644 063. Order from CFSTI: HC$3.00, MF$0.65 as AD-644 063

Unedited rough draft trans. of Geomagnetizm i Aeronomiya (USSR) v6 n1 p3-10 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

B. Meteorology

TT-66-35476 Field 4B, 1B

Shtal, V. A.
PROBLEMS IN AVIATION METEOROLOGY. 12 Dec 66, 46p. JPRS-39053. Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35476

Trans. of mono. Problemy Aviatsionnoi Meterologii, Leningrad, 1966 p59-96.

TT-66-35484 Field 4B, 8H

METEROLOGY AND HYDROLOGY, NO. 10, 1966.
12 Dec 66, 104p, refs. JPRS-39061.
Order from CFSTI: HC$3.00, MF$0.65
as TT-66-35484

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TT-66-35453 Field 5C

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TT-66-35460 Field 5C, 5I, 5D

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TT-66-35468 Field 5C

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TT-66-35531 Field 5C

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TT-66-35545 Field 5C, 5A

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TT-66-35570 Field 5C

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TT-66-35602 Field 5C, 8F

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TT-66-35676 Field 5C

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TT-66-35717 Field 5C

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TT-66-35014 Field 5D, 5I, 8I

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TT-66-35046 Field 5D

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Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35046

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TT-66-35078 Field 5D, 5C

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TT-66-35395 Field 5D, 5A

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TT-66-35432 Field 5D

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Trans. from Pravda, Moscow (USSR) 3 Dec p1; 5 Dec p1 1966.

TT-66-35437 Field 5D

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TT-66-35441 Field 5D

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TT-66-35458 Field 5D

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TT-66-35459 Field 5D, 5C

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Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35459

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TT-66-35465 Field 5D

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TT-66-35470 Field 5D

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Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35470

TT-66-35493 Field 5D

AFRICA: TRANSLATIONS NO. 468. 13 Dec 66, 29p. JPRS-39070.
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TT-66-35498 Field 5D, 5I

CUBA: TRANSLATIONS NO. 528. 13 Dec 66, 44p. JPRS-39075.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35498

TT-66-35510 Field 5D, 5C

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Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35510

Index to contents of la Stampa (Italy) 22-27 Nov 66 and la Stampa Sera (Italy) 21 Nov 66.

TT-66-35523 Field 5D

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TT-66-35546 Field 5D

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TT-66-35571 Field 5D

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POLITICAL TRANSLATIONS ON EASTERN EUROPE NO. 243. 16 Dec 66, 30p. JPRS-39148.
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TT-66-35586 Field 5D, 15-

CUBA: TRANSLATIONS NO. 531. 15 Dec 66, 48p. JPRS-39163.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35586

TT-66-35594 Field 5D

AFRICA: TRANSLATIONS NO. 472. 19 Dec 66, 15p. JPRS-39171.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35594

TT-66-35660 Field 5D, 5C

AFRICA: TRANSLATIONS NO. 475. 22 Dec 66, 57p. JPRS-39238.
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G. Linguistics

TT-66-35392 Field 5G

Hsu Huan-chang; Lin Mao-tsan; Liang Chih-an.
COMMUNIST CHINA: SCIENCE AND TECHNOLOGY TRANSLATIONS NO. 352. 5 Dec 66, 38p, refs. JPRS-38969.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35392

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I. Personnel selection, training and evaluation

TT-66-35259 Field 5I

Gnedenko, B. V.; Vakolskii, B. M.; Zhmur, V. P.; Ryabikin, B. P.
THEORY AND PRACTICE OF PROGRAMMED TRAINING. 28 Nov 66, 19p. JPRS-38835.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35259

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TT-66-35336 Field 5I

Izvolskaya, N.
USSR LABOR: TRANSLATIONS NO. 147. 1 Dec 66, 8p. JPRS-38912.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35336

Trans. from Ekonomicheskaya Gazeta (USSR) n41 p15; n37 p13 1966.

TT-66-35399 Field 5I

SOVIET EDUCATION: TRANSLATIONS NO. 59. 6 Dec 66, 84p. JPRS-38976.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35399

TT-66-35425 Field 5I

Milivojcev, B.
SOCIOLOGICAL TRANSLATIONS ON EASTERN EUROPE NO. 397. 7 Dec 66, 41p. JPRS-39002.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35425

Trans. of Gazeta Invatamintului (Rumania) v18 n867 p1, 4 1966 and Produktivnost (Yugoslavia) n10 p676-83 1966.

TT-66-35428 Field 5I

USSR LABOR: TRANSLATIONS NO. 150. On Improvement of Organization of Socialist Competition. 7 Dec 66, 9p. JPRS-39005.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35428

Trans. of Ekonomicheskaya Gazeta (USSR) n39 p4-5 1966.

TT-66-35447 Field 5I

Veksler, Yu. F.
BIOGRAPHIC SKETCHES OF SOVIET SCIENTISTS M. L. TSETLIN AND S. G. KOLESNEV. 8 Dec 66, 12p. JPRS-39024.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35447

Trans. of Biofizika (USSR) v11 n5 p939-41 1966 and Vestnik Selskokhozyaistvennoi Nauki (USSR) v11 n8 p128-9 1966.
For another listing of Vestnik Selskokhozyaistvennoi Nauki (USSR) see TT v16 n4.

TT-66-35503 Field 5I

Shapalin, B.; Yanovskii, V.; Korshunov, Yu.
USSR LABOR: TRANSLATIONS NO. 151. 13 Dec 66, 11p. JPRS-39080.

Order from CFSTI: HC$3.00, MF$0.65
as TT-66-35503

Trans. from Trud, Moscow (USSR) 29 Oct p2 1966 and Ekonomicheskaya Gazeta (USSR) n42 p18 1966.

TT-66-35512 Field 5I, 5C

NORTH KOREA: TRANSLATIONS NO. 29.
13 Dec 66, 28p. JPRS-39089.
Order from CFSTI: HC$3.00, MF$0.65
as TT-66-35512

TT-66-35616 Field 5I

USSR LABOR: TRANSLATIONS NO. 152.
21 Dec 66, 37p. JPRS-39194.
Order from CFSTI: HC$3.00, MF$0.65
as TT-66-35616

TT-66-35693 Field 5I

USSR LABOR: TRANSLATIONS NO. 153. 28 Dec 66, 30p. JPRS-39271.
Order from CFSTI: HC$3.00, MF$0.65
as TT-66-35693

J. Psychology (Individual and group behavior)

NCH-206 455 Field 5J

Karpov, E. A.
PSYCHOPHYSIOLOGICAL ANALYSIS OF THE VOSKHOD: 2 CREW ACTIVITY. 16 Aug 66.
Order from JW: $3.50

Trans. of Kosmicheskie Issledovaniya (USSR) v4 n3 p469-81 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-11593 Field 5J

Koch, J.
MODIFICATION OF THE PERFORMANCE ABILITY OF INFANTS AGED 5 MONTHS IN RELATION TO A PERIOD OF SLEEPING AND EATING. Tr. by J. Chapin. 17 Feb 66, 13p. NIH-2-16-66.
Order from SLA: $1.60 as TT-66-11593

Trans. of German Society for Psychology. Congress (no. 24) Goettingen, Proceedings, n.p., 1965 p145-54.

TT-66-14457 Field 5J

Braun-Lamesch, M. M.
SOME DATA ON THE RELATIONSHIPS BETWEEN MOVEMENTS AND VOCALIZATIONS IN THE YOUNG CHILD. Tr. by Z. Knowles. 18 Aug 66, 11p, 6refs. NIH-8-19-66.
Order from SLA: $1.60 as TT-66-14457

Trans. of Bulletin de Psychologie (France) v19 n8/12 p452-6 1966.

TT-66-14487 Field 5J, 5B

Reimann, H.
MENTAL HEALTH LITERATURE AND ITS DOCUMENTATION. Tr. by H. M. Warfield. 13 Sep 66, 57p, 293refs. NIH-9-1-66.
Order from SLA: $5.60 as TT-66-14487

Trans. of Mitteilungen aus der Psychohygiene (West Germany) v3 n2 p1-56 1965.

TT-66-33341 Field 5J

Popovkin, V.
THOUGHT TRANSFERENCE BETWEEN MOSCOW AND NOVOSIBIRSK. 9 Aug 66, 4p. JPRS-36911.
Order from CFSTI: HC$3.00, MF$0.65
as TT-66-33341

Trans. from Komsomolskaya Pravda (USSR) 7 Jul p3 1966.

TT-66-34351 Field 5J

Luriya, A. R.
THEORY OF THE DEVELOPMENT OF HIGHER MENTAL FUNCTIONS IN SOVIET PSYCHOLOGY. 29 Sep 66, 12p. JPRS-37923.
Order from CFSTI: HC$3.00, MF$0.65
as TT-66-34351

Trans. of Voprosy Filosofii (USSR) n7 p72-9 1966.

TT-66-34542 Field 5J, 5I

Gonobolin, F.; Gustov, S.
PSYCHOLOGICAL ASPECTS OF STUDENT TRAINING AND DEVELOPMENT. 12 Oct 66, 11p. JPRS-38115.
Order from CFSTI: HC$3.00, MF$0.65
as TT-66-34542

Trans. from Uchitelskaya Gazeta (USSR) 6 Sep p3 1966.

TT-66-34670 Field 5J

Lacoste, J.; Raikov, V.; Egides, A.
PRESENT DAY APPLICATIONS OF HYPNOSIS. 19 Oct 66, 16p. JPRS-38244.
Order from CFSTI: HC$3.00, MF$0.65
as TT-66-34670

Trans. of Tekhnika Molodezhi (USSR) v34 n5 p14-7 1966.

K. Sociology

TT-66-14116 Field 5K

FOR NOTHING, ELITE PATIENTS PROFIT IN THE PROGRAM OF HUNDREDS OF MILLIONS OF DOLLARS. Tr. by Z. Knowles. 30 Aug 66, 7p. NIH-8-32-66.
Order from SLA: $1.10 as TT-66-14116

Trans. of Europa Medica (Spain) v3 n14 p678-9 1963.

TT-66-34493 Field 5K, 6E

Tsvetkov, P. P.; Petrov, V. P.
IDENTIFICATION OF INDIVIDUALS THROUGH PHOTOGRAPHS. 7 Oct 66, 39p, refs. JPRS-38066.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-34493

Trans. of mono. Identifikatsiya Lichnosti po Fotosnimkam, Leningrad, 1966 p3-34.

TT-66-34800 Field 5K, 6E, 5I

SOCIOLOGICAL TRANSLATIONS ON EASTERN EUROPE NO. 385. 28 Oct 66, 33p. JPRS-38374.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-34800

TT-66-35028 Field 5K

SOCIOLOGICAL TRANSLATIONS ON EASTERN EUROPE NO. 388. 14 Nov 66, 40p. JPRS-38603.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35028

TT-66-35282 Field 5K

SOCIOLOGICAL TRANSLATIONS ON EASTERN EUROPE NO. 392. 29 Nov 66, 50p. JPRS-38858.
Order from CFSTI: $3.00, MF$0.65 as TT-66-35282

TT-66-35328 Field 5K

Krinchev, K.; Stoimenov, G.
SOCIOLOGICAL TRANSLATIONS ON EASTERN EUROPE NO. 394. 1 Dec 66, 19p. JPRS-38904.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35328

Trans. of Plannovo Stopanstvo i Statistika (Bulgaria) n8 p14-20 1966, and Sreden Meditsinski Rabotnik (Bulgaria) n5 p3-8 1966.

TT-66-35361 Field 5K

Olszewska, B. W.
SOCIOLOGICAL TRANSLATIONS ON EASTERN EUROPE NO. 396. 5 Dec 66, 30p. JPRS-38938.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35361

Trans. of Polityka (Poland) n46 12 Nov p3 1966 and Sluzbeni List, Belgrade (Yugoslavia) 7 Aug p681-6 1966.

TT-66-35410 Field 5K

PRAVDA EDITORIALS (2 DEC 1966): TRANSLATIONS NO. 729. 6 Dec 66, 5p. JPRS-38987.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35410

Trans. from Pravda, Moscow (USSR) 2 Dec p1 1966.

TT-66-35471 Field 5K

Bulgaru, M.; Stamatovic, V.
SOCIOLOGICAL TRANSLATIONS ON EASTERN EUROPE NO. 398. 12 Dec 66, 20p. JPRS-39048.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35471

Trans. of Scinteia (Rumania) 26 Nov p1-2 1966 and Opstina (Yugoslavia) n9 p32-41 1966.

06 BIOLOGICAL AND MEDICAL SCIENCES

TT-66-34093 Field 6-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 142. 19 Sep 66, 11p. JPRS-37665.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-34093

Abstract trans. of K'o Hsueh T'ung Pao (Chinese People's Republic) v17 n11 p520-8; n12 p548-69 1966.

TT-66-34437 Field 6-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 153. 5 Oct 66, 71p. JPRS-38010.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-34437

Abstract trans. of Chiang Hsi I Yao Tsa Chih (Chinese People's Republic) v6 n3 p102-52; n4 p154-203; n6 p256-310 1966.

TT-66-34467 Field 6-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 157. 6 Oct 66, 65p. JPRS-38040.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-34467

TT-66-34548 Field 6-

EAST EUROPEAN SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 52. 12 Oct 66, 77p. JPRS-38121.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-34548

TT-66-34739 Field 6-

EAST EUROPEAN SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 53. 25 Oct 66, 98p. JPRS-38313.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-34739

TT-66-34799 Field 6-, 2E

EAST EUROPEAN SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 54. 28 Oct 66, 110p. JPRS-38373.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-34799

TT-66-35097 Field 6-

USSR SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 25. 16 Nov 66, 65p. JPRS-38672.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35097

TT-66-35169 Field 6-

Straub, B. F.
SECRETARIAL REPORT OF THE DEPARTMENT OF BIOLOGICAL SCIENCES AT THE HUNGARIAN ACADEMY OF SCIENCES. 22 Nov 66, 35p. JPRS-38745.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35169

Trans. of Magyar Tudomanyos Akademia Biologiai Tudomanyok Osztalyanak Kozlemenyei (Hungary) v9 n3/4 p171-201 1966.

TT-66-35173 Field 6-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 171. 22 Nov 66, 21p. JPRS-38749.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35173

Abstract trans. of Chung Hua Wei Sheng Tsa Chih (Chinese People's Republic) v11 n3 p131-210 1966.

TT-66-35198 Field 6-

USSR SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 26. 23 Nov 66, 82p. JPRS-38774.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35198

TT-66-35261 Field 6-

EAST EUROPEAN SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 55. 28 Nov 66, 80p. JPRS-38837.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35261

TT-66-35408 Field 6-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 174. 6 Dec 66, 28p. JPRS-38985.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35408

Abstract trans. of Chung Hua I Hsueh Tsa Chih (Chinese People's Republic) v52 n3 p135-202 1966.

TT-66-35448 Field 6-

Kocherezhkin, V. G.
ELECTIONS OF BIOMEDICAL SCIENTISTS TO ACADEMY OF SCIENCES USSR. 8 Dec 66, 7p. JPRS-39025.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35448

Trans. of Zhurnal Obshchei Biologii (USSR) v27 n5 p629-31 1966.

TT-66-35550 Field 6-

EAST EUROPEAN SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 57. 15 Dec 66, 126p. JPRS-39127.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35550

A. Biochemistry

NCH-205 619 Field 6A

Stoffel, W.; Wiese, H.
THE BIOSYNTHESIS OF THE OLEIC, LINOLEIC AND GAMMA-LINOLENIC ACIDS IN PHYCOMYCES BLAKESLEEANUS (Die Biosynthese der Oel-, Linol- und Gamma-Linolen-Saeure in Phycomyces Blakesleeanus) 1966, 14p, 20refs. ODF-TR-39; NRC-C-6078.
Order from NRC as C-6078

Trans. of Hoppe-Seyler's Zeitschrift fuer Physiologische Chemie (West Germany) v340 p148-56 1965.

NCH-206 050 Field 6A

Hilse, K.; Braunitzer, G.
THE CHEMICAL CHARACTERIZATION OF THE PROTEIN FROM HUMAN HEMOGLOBIN A; HEMOGLOBIN VIII. 11 Jul 66, 3p. IICH-9009.
Order from IICH: $3.00 as IICH-9009

Trans. of Zeitschrift fuer Naturforschung (West Germany) v14b p604-6 1959.

NCH-206 310 Field 6A

Guidettti, E.
BEHAVIOR OF THE NICOTINE IN THE BLOOD. 1966, 14p (figs omitted). K-H-748d.
Order from K-H: $8.40 as K-H-743d

Trans. of Minerva Medica (Italy) v2 p302-5 1937.

TT-65-17302 Field 6A

Rof Carballo, J.; Gonzalez Morado, A.
CLINICAL EXPERIENCE WITH THE LYSERGIC ACID OF DIETHYLAMIDE (LSD) 25). Tr. by Z. Knowles. 9 Feb 65, 13p, 18refs. NIH-2-3-65.
Order from SLA: $1.60 as TT-65-17302

Trans. of Hospital Provincial, Madrid. Instituto de Patologia Medica. Boletin (Spain) v13 n10 p271-80 1958.

TT-66-11811 Field 6A

Tanaka, K.
STUDIES ON THE DECOMPOSITION ENZYME OF S-METHYLMETHIONINE. 21 Jun 65, 50p, 39refs. NIH-7-8-65.
Order from SLA: $4.60 as TT-66-11811

Trans. of unidentified Japanese mono., 1961.

TT-66-14048 Field 6A, 6E

De Maio, D.
GABA (GAMMA-AMINO-BUTYRIC-ACID) AND

GABOB (GAMMA-AMINO-BETA-HYDROXYBUTYRIC ACID) IN THE BIOCHEMISTRY AND IN THE THERAPY OF EPILEPSY. 3p (figs refs omitted).
Order from SLA: $1.10 as TT-66-14048

Trans. of unidentified mono. (Italy) n.d.

TT-66-14115 Field 6A

Banga, I.; Maylath-Palagyi, J.; Jobbagy, A.
FLUORESCENT COMPONENTS IN ELASTIN.
Tr. by Z. D. Knowles. 26 Aug 66, 11p, 15refs.
NIH-8-19-66.
Order from SLA: $1.60 as TT-66-14115

Trans. of Acta Physiologica (Hungary) v26 n4 p305-12 1965.

TT-66-14173 Field 6A, 6M

Galanina, L. A.; Agatov, P. A.
THE INFLUENCE OF COMPOUNDS, CONTAINING THE GUANIDINE OR UREA GROUPS, ON THE PRODUCTION OF STREPTOMYCIN BY STRAIN LC-1 OF ACT. STREPTOMYCINI. 7p, 9refs.
Order from SLA: $1.10 as TT-66-14173

Trans. of Akademiya Nauk SSSR. Doklady, v165 n6 p1413-5 1965.

TT-66-14201 Field 6A

Bolshakova, L. O.; Belenkii, B. G.
MICROANALYTICAL HYDROGENATION OF POLYENIC ANTIBIOTICS. 5p, 4refs.
Order from SLA: $1.10 as TT-66-14201

Trans. of Antibiotiki (USSR) v10 p707-9 1965.

TT-66-14215 Field 6A, 6E

Jorpes, E.; Mutt, V.
GASTROINTESTINAL HORMONES AS DIAGNOSTIC TOOLS. 11p (refs omitted).
Order from SLA: $1.60 as TT-66-14215

Trans. of Nordisk Medicin (Sweden) v61 p39-41 1959.

TT-66-14281 Field 6A, 6C

Laibach, F.
POLLEN HORMONE AND GROWTH MATERIAL. 16p, 9refs.
Order from SLA: $1.60 as TT-66-14281

Trans. of Deutsche Botanische Gesellschaft. Berichte (West Germany) v50 p383-90 1932.

TT-66-14334 Field 6A

Koegl, F.
GROWTH SUBSTANCES OF THE AUXIN AND BIOS GROUPS. 27p, 19refs.
Order from SLA: $2.60 as TT-66-14334

Trans. of Chemische Berichte (West Germany) v68 p16-28 1935.

TT-66-14422 Field 6A

Dieckhoff, J.; Schneeweiss, B.
THE EFFECT OF CATABOLIC AND ANABOLIC STEROIDS ON THE FORMATION OF ANTIBODIES (Der Einfluss von Katabolen und Anabolen Steroiden auf die Antikoerperbildung). 15p (refs omitted).
Order from SLA: $1.60 as TT-66-14422

Trans. of Deutsche Gesundheitwesen (East Germany) v20 n5 p189-94 1965.

TT-66-14423 Field 6A

Blass, J.; Bizzini, B.; Raynaud, M.
MECHANISM OF DETOXIFICATION BY FORMALDEHYDE SOLUTION (Mecanisme de la Detoxification par le Formol). 4p, 9refs.
Order from SLA: $1.10 as TT-66-14423

Trans. of Academie des Sciences, Paris. Comptes Rendus (France) v261 p1448-9 1965.

TT-66-14424 Field 6A

Somellera, J. C.
INTRALESIONAL STEROIDS AND ADRENAL FUNCTION. Preliminary Report (Esteroides Intralesionales y Funcion Suprarrenal). 7p.
Order from SLA: $1.10 as TT-66-14424

Trans. of Dermatologia (Mexico) v8 p251-6 1964.

TT-66-14463 Field 6A, 6O

Einhorn, J.
EFFECTS OF CHLOROPROPAMIDE AND GALEGA OFFICINALIS HERB ON BLOOD SUGAR IN RATS. 5p, 4refs.
Order from SLA: $1.10 as TT-66-14463

Trans. of Acta Poloniae Pharmaceutica, v19 n4 p357-61 1962.

TT-66-14486 Field 6A, 6E

Raaflaub, J.
THE CHEMISTRY OF THE FORMATION OF COMPLEXES IN THE GENESIS OF URINARY CALCULI.
Tr. by H. M. Warfield. 16 Sep 66, 32p, 76refs.
NIH-9-14-66.
Order from SLA: $3.60 as TT-66-14486

Trans. of Helvetica Medica Acta (Switzerland) v30 n6 p724-55 1963.

TT-66-14629 Field 6A

Suarez Soto, M. de la L.; Legault-Demare, J.
A STUDY OF THE IN-VITRO BIOLOGICAL ACTIVITY OF THE GONADOTROPIC HORMONES. 1: PRODUCTION OF STEROIDS BY THE RAT'S OVARIES INDUCED BY THE HORMONE FROM THE SERUM OF PREGNANT MARES. 13p, 17refs.
Order from SLA: $1.60 as TT-66-14629

Trans. of Acta Endocrinologica (Denmark) v33 p444-50 1960.

TT-66-14635 Field 6A

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SECRETIN, PANCREOZYMIN AND CHOLECYSTOKININ, THE SILENT HORMONES. 36p (refs omitted).
Order from SLA: $3.60 as TT-66-14635

Trans. of Pathologie et Biologie (France) v8 n11/12 p1177-92 1960.

TT-66-14705 Field 6A, 6E

Szodoray, L.
CONTRIBUTIONS TO PROTEIN STRUCTURE OF THE SKIN EPITHELIUM. Tr. by J. Chapin. 21 Sep 66, 6p, 5refs. NIH-9-22-66.
Order from SLA: $1.10 as TT-66-14705

Trans. of Archiv fuer Klinische und Experimentelle Dermatologie (West Germany) v159 p605-10 1930.

TT-66-14715 Field 6A

Buecher, T.
A PHOSPHATE-TRANSFERRING ENZYME. Tr. by P. Hajdu. 23 Sep 66, 32p, 21refs. NIH-9-23-66.
Order from SLA: $3.60 as TT-66-14715

Trans. of Biochimica et Biophysica Acta (Netherlands) v1 p292-314 1947.

TT-66-14782 Field 6A, 6O

Zarnack, J.; Pleifer, S.
QUANTITATIVE PAPER-CHROMATOGRAPHIC DETECTION OF ALKALOIDS IN DRUGS. 2: QUANTITATIVE EVALUATION OF THE CHROMATOGRAMS. 21p, 43refs.
Order from SLA: $2.60 as TT-66-14782

Trans. of die Phamizie (East Germany) v19 n2 p111-20 1964.

TT-66-15253 Field 6A

Leipert, T.
TO THE KNOWLEDGE OF THE PHYSIOLOGICAL BLOOD IODINE MIRROW. 3p, 1ref.
Order from SLA: $1.10 as TT-66-15253

Trans. of Biochemische Zeitschrift (West Germany) v270 p449 1934.
Partial trans. of p448-54.

TT-66-15255 Field 6A

Leipert, T.
ON THE DETECTION OF BLOOD IODINE. 6p, 6refs.
Order from SLA: $1.10 as TT-66-15255

Trans. of Biochemische Zeitschrift (West Germany) v293 p102-4 1937.
Partial trans. of p99-106.

TT-66-15256 Field 6A

Kuschinsky, G.; Lange, G.; Scholtissek, Ch.; Turba, F.
INVESTIGATIONS ON THE MECHANISM OF ACTION OF DIGITALIS MATERIALS. 12p (figs refs omitted).
Order from SLA: $1.60 as TT-66-15256

Trans. of Biochemische Zeitschrift (West Germany) v327 p319-29 1955.
Partial trans. of p314-30.

TT-66-34807 Field 6A

Brestkin, A. P.; Brik, I. L.; Sagal, A. A.
DETERMINATION OF THE ANTICHOLINESTERASE ACTIVITY OF ORGANOPHOSPHORUS INHIBITORS. 28 Oct 66, 8p. JPRS-38381.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-34807

Trans. of Akademiya Nauk SSSR. Doklady. Seriya Biologiya, v167 n4/6 p1831-4 1966.

TT-66-61605 Field 6A, 6C

Mekshenkov, M. I.
THE STUDY OF THE STRUCTURE AND CONFORMATION OF RIBONUCLEIC ACIDS BY THE METHOD OF BIREFRINGENCE IN A MAGNETIC FIELD. Jul 66, 23p, 21refs. FASEB-S-578-5.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-61605

Trans. of Biofizika (USSR) v10 n5 p747-54 1965
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-61635 Field 6A, 6E

Kovalenko, T. M.
EFFECT OF ACTH ON POST-TRAUMATIC REGENERATION OF SKELETAL MUSCLE. Jul 66, 18p, 30refs. FASEB-S-446-5.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-61635

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) v49 n7 p36-42 1965.

TT-66-62549 Field 6A

Vladimirov, Yu. A.; Lvova, O. F.
ULTRA-WEAK LUMINESCENCE AND OXIDATIVE PHOSPHORYLATION IN MITOCHONDRIA.
Tr. by Charles T. Ostertag, Jr. 23 Aug 65, 5p, 5refs. ABL-Trans-1641; AD-641 426.
Order from CFSTI: HC$3.00, MF$0.65 as AD-641 426

Trans. of Biofizika (USSR) v9 n4 p506-7 1964.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-67-60023 Field 6A

Kaverzneva, E. D.; Kravchenko, N. A.; Kelopina, G. K.
NATURE OF ENZYMIC ACTIVITY OF LYSOZME

(K Prirode Fermentativnoi Aktivnosti Lizotsima). Tr. by Tatiana Boldyreff. 1961, 2p. AD-642 061. Order from CFSTI: HC$3.00, MF$0.65 as AD-642 061

Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Khimicheskaya, n4 p729 1961.

TT-67-60031 Field 6A

Ilina, A. N.; Zhdanova, V. D.; Moshkovskii, Yu. Sh.; Mirlina, S. Ya.
INFLUENCE OF THE IONS OF TRIVALENT IRON ON THE PHYSICAL-CHEMICAL PROPERTIES OF SOLUTIONS OF NATIVE DESOXYRIBONUCLEIC ACID. Tr. by Charles T. Ostertag, Jr. Jan 66, 12p, 6refs. ABL-Trans-1745; AD-642 071. Order from CFSTI: HC$3.00, MF$0.65 as AD-642 071

Trans. of Biofizika (USSR) v10 n6 p929-34 1965. For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-67-60222 Field 6A, 7E, 6C, 3B

Tikhov, G. A., ed.
OBSERVATIONS OF THE MOON, MARS, URANUS, AND THE STARS: OPTICAL PROPERTIES OF PLANTS (Nablyudeniya Luny, Marsa, Urana i Zvezd. Opticheskie Svoistva Rastenii). Jun 66, 320p, 18refs. NASA-TT-F-419; N66-30082. Order from CFSTI: HC$3.00, MF$0.65 as N66-30082

Trans. of Akademiya Nauk Kazakhskoi SSR, Alma-Ata. Sektor Astrobotaniki. Trudy, v8 262p 1960.

B. Bioengineering

NCH-206 463 Field 6B

BIOTELEMETRY (INTERNATIONAL BIBLIOGRAPHY). 16 Aug 66. 800refs. Order from JW: $5.00

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Order from CFSTI: HC$3.00, MF$0.65
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TT-66-51102 Field 6C

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Order from CFSTI: $3.00 as TT-66-51102

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SPECTRA OF ELECTRONIC PARAMAGNETIC RESONANCE OBSERVED DURING MECHANICAL TREATMENT OF DNA PREPARATIONS. Jul 66, 8p, 8refs. FASEB-S-579-5.
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TT-66-62079 Field 6C

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Order from CFSTI: HC$3.00, MF$0.65 as TT-66-62079

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TT-66-62547 Field 6C

Chagin, K. P.
OBSERVATIONS ON THE DEVELOPMENT CYCLE OF AEDES (F.) TOGOI UNDER LABORATORY AND NATURAL CONDITIONS. Tr. by Charles T. Ostertag, Jr. Feb 66, 15p, 7refs. ABL-Trans-1639; AD-641 424.
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TT-66-62576 Field 6C

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TT-66-62578 Field 6C

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Order from CFSTI: HC$3.00, MF$0.65 as AD-641 750

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TT-67-60001 Field 6C, 6M

Muras, V. A.
ON BACTERIAL WILT OF SOYBEANS IN THE UKRAINE. Jun 64, 13p. ABL-Trans-1121; AD-642 025.
Order from CFSTI: HC$3.00, MF$0.65 as AD-642 025

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Order from CFSTI: HC$3.00, MF$0.65 as AD-643 635

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Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35446

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INFLUENCE OF THERAPY ON FIBRINOGEN AND FIBRINOLYSIS IN HEMOBLASTOSIS. Tr. by P. DePorte. 14 Jul 66, 35p, 15refs. NIH-7-10-66.
Order from SLA: $3.60 as TT-66-13549

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Order from SLA: $1.10 as TT-66-14043

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Order from SLA: $3.60 as TT-66-14113

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Order from SLA: $1.60 as TT-66-14598

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Order from SLA: $1.10 as TT-66-14712

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Order from SLA: $1.60 as TT-66-14799

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Order from SLA: $1.10 as TT-66-14800

Trans. of Fortschritte auf dem Gebiete der Roentgenstrahlen und der Nuklearmedizin (West Germany) v36 n5 p1100-9 1927.

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THE FILLING OF BASAL CISTERNS OF BRAIN WITH CONTRAST MATERIAL USING HEAVY IODINE OIL. 7p (figs omitted) 22refs.
Order from SLA: $1.10 as TT-66-14801

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Order from SLA: $1.60 as TT-66-14802

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Order from SLA: $1.60 as TT-66-14804

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Order from SLA: $1.10 as TT-66-14915

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Order from SLA: $1.10 as TT-66-14984

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THE USE OF OXYMETHOLONE FOR REFRACTORY ANEMIA. 10p.
Order from SLA: $1.10 as TT-66-14992.

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THE USE OF OXYMETHALONE IN CHRONIC HEPATIC INSUFFICIENCY. 8p, 11refs.
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TT-66-14996 Field 6E, 6O, 6A

Vavala, V.
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Order from SLA: $1.60 as TT-66-14996

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TT-66-34345 Field 6E, 6O

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 150. 29 Sep 66, 48p. JPRS-37917.
Order from CFSTI: HC$3.00, MF$0.65
as TT-66-34345

Abstract trans. of Chung Hua Fu Ch'an K'o Tsa Chih (Chinese People's Republic) v12 n3 p149, 152, 154, 157, 161-216 1966 and Yao Hsueh T'ung Pao (Chinese People's Republic) n4 p145-93 1966.

TT-66-34388 Field 6E

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 151. 3 Oct 66, 29p. JPRS-37961.
Order from CFSTI: HC$3.00, MF$0.65
as TT-66-34388

Abstract trans. from Chung Hua Erh Pi Yen Hou K'o Tsa Chih (Chinese People's Republic) v12 n3 May 66 and of Shen Wu Hsueh T'ung Pao (Chinese People's Republic) n4 Jul p1-54 1966.

TT-66-34417 Field 6E, 5I

SOVIET PUBLIC HEALTH, VOL. 25, NO. 5, 1966. 4 Oct 66, 193p, refs. JPRS-37990.
Order from CFSTI: HC$3.00, MF$0.65
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Trans. of Sovetskoe Zdravookhranenie (USSR) v25 n5 p3-96 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-34496 Field 6E

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 158. 10 Oct 66, 64p. JPRS-38069.
Order from CFSTI: HC$3.00, MF$0.65
as TT-66-34496

Abstract trans. of Chung Hua Nei Ko Tsa Chih (Chinese People's Republic) v14 n4 p223-97; n5 p297-368; n6 p371-450 1966.

TT-66-34539 Field 6E

Rudnev, G. P.
TREATMENT AND HANDLING OF CERTAIN INFECTIOUS DISEASES IN USSR. 12 Oct 66, 29p. JPRS-38112.
Order from CFSTI: HC$3.00, MF$0.65
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Trans. from mono. Klinika Osobo Opasnykh Infektsii, Moscow, 1966.
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TT-66-34543 Field 6E, 5I

SOVIET PUBLIC HEALTH, VOL. 25, NO. 6, 1966. 12 Oct 66, 150p, refs. JPRS-38116.
Order from CFSTI: HC$3.00, MF$0.65
as TT-66-34543

Trans. of Sovetskoe Zdravookhranenie (USSR) v25 n6 88p 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-34544 Field 6E

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 159. 12 Oct 66, 42p. JPRS-38117.
Order from CFSTI: HC$3.00, MF$0.65
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Abstract trans. of Chung Hua Wai K'o Tsa Chih (Chinese People's Republic) v14 n5 p273-336ff 1966 and Chung Hua Fu Ch'an K'o Tsa Chih (Chinese People's Republic) v12 n4 p217-98ff 1966.

TT-66-34555 Field 6E, 6C

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 160. 12 Oct 66, 30p. JPRS-38128.
Order from CFSTI: HC$3.00, MF$0.65
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Abstract trans. of An I Hsueh Pao (Chinese People's Republic) v8 n4 p207-62 1965 and Chih Wu Hsueh Pao (Chinese People's Republic) v14 n2 p79-199 1966.

TT-66-34604 Field 6E

Vasileva, N. N.; Badmaeva, V. V.
SOVIET REPORT ON ONCOLOGICAL RESEARCH AT BUDAPEST INSTITUTES. 17 Oct 66, 7p. JPRS-38177.
Order from CFSTI: HC$3.00, MF$0.65
as TT-66-34604

Trans. of Voprosy Onkologii (USSR) v12 n6 p115-6 1966.

TT-66-34684 Field 6E

VESTNIK OF THE USSR ACADEMY OF MEDICAL SCIENCES VOL. 21, NO. 7, 1966. 20 Oct 66, 141p, refs. JPRS-38258.
Order from CFSTI: HC$3.00, MF$0.65
as TT-66-34684

Trans. of Akademiya Meditsinskikh Nauk SSSR, Vestnik, v21 n7 p3-95 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-34705 Field 6E

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 162. 21 Oct 66, 19p. JPRS-38279.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-34705

Abstract trans. of Kuang Tung I Hsueh Hsien Tai I Hsueh Pan (Chinese People's Republic) v4 n3 p129-93 1966.

TT-66-34766 Field 6E, 5I, 13B, 5K

SOCIOLOGICAL TRANSLATIONS ON EASTERN EUROPE NO. 384. 27 Oct 66, 44p. JPRS-38340.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-34766

TT-66-34770 Field 6E

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 163. 27 Oct 66, 72p. JPRS-38344.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-34770

TT-66-34777 Field 6E, 6O

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 164. 27 Oct 66, 9p. JPRS-38351.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-34777

Abstract trans. of Chung I Tsa Chih (Chinese People's Republic) n7 41p 1966 and Shang Hai Chung I Yao Tsa Chih (Chinese People's Republic) n7 p293-300 1966.

TT-66-34782 Field 6E

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 165. 27 Oct 66, 12p. JPRS-38356.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-34782

Abstract trans. of Chung Hua Yen K'o Tsa Chih (Chinese People's Republic) v13 n4 p261-326 1966.

TT-66-34784 Field 6E, 5I

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Order from CFSTI: HC$3.00, MF$0.65 as TT-66-34784

Trans. from Zarya Vostoka (USSR) 19 Jun p3 1966.

TT-66-34785 Field 6E

Korosteleva, T. A.
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Order from CFSTI: HC$3.00, MF$0.65 as TT-66-34785

Trans. of mono. Ob Izmeneniyakh Tkanevykh Antigenov v Protsesse Eksperimentalnogo Kantserogeneza, Leningrad, 1966 p224-33, 247-8.

TT-66-34794 Field 6E, 5I

Ilea, T.; Bruckner, I. Nestorescu, N.; Voiculescu, M.
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Order from CFSTI: HC$3.00, MF$0.65 as TT-66-34794

Trans. of Viata Medicala (Rumania) v13 n16 p1081-93 1966.

TT-66-34815 Field 6E, 6O

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 166. 31 Oct 66, 24p. JPRS-38389.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-34815

Abstract trans. of Fu Chien Chung i Yao (Chinese People's Republic) n2 p1-27, 29-40 1966.

TT-66-34839 Field 6E

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Order from CFSTI: HC$3.00, MF$0.65 as TT-66-34839

Trans. of Vestnik Khirurgii (USSR) v97 n8 p142-4 1966.

TT-66-34856 Field 6E

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 167. 1 Nov 66, 26p. JPRS-38430.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-34856

Abstract trans. of Chung Hua K'ou Ch'iang K'o Tsa Chih (Chinese People's Republic) v12 n3 p107-78ff 1966.

TT-66-34869 Field 6E, 5I, 6I

Agaev, E. R.; Sarkisyants, E. E.
HYGIENE WITH THE PRINCIPLES OF THE PUBLIC HEALTH ORGANIZATION. 2 Nov 66, 57p. JPRS-38443.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-34869

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TT-66-34881 Field 6E, 5I

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COMMUNIST CHINA: SCIENCE AND TECHNOLOGY

TRANSLATIONS NO. 347. 2 Nov 66, 28p, refs. JPRS-38455.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-34881

Trans. from mono. Tzu-shen Mien-i Yu Tzu-shen Mien-i-hsing Chi-ping, Shanghai, 1965 370p and Chin Jih Hsin Wen (Chinese People's Republic) 22 Aug p12 1966.

TT-66-34897 Field 6E

CLINICAL MEDICINE, VOL. 44, NO. 6, 1966. 3 Nov 66, 294p, refs. JPRS-38472.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-34897

Trans. of Klinicheskaya Meditsina (USSR) v44 n6 160p 1966.

TT-66-34906 Field 6E, 5I

Popov, G. A.; Lidov, I. P.; Merkulov, M. F.; Boitsova, O. S.; Linderbraten, L. D.
SOVIET PUBLIC HEALTH, VOL. 25, NO. 8, 1966. 3 Nov 66, 193p, refs. JPRS-38481.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-34906

Trans. of Sovetskoe Zdravokhranenie (USSR) v25 n8 p3-94 1966.

TT-66-34909 Field 6E

CLINICAL MEDICINE, VOL. 44, NO. 7, 1966. 4 Nov 66, 239p, refs. JPRS-38484.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-34909

Trans. of Klinicheskaya Meditsina (USSR) v44 n7 160p 1966.

TT-66-34911 Field 6E, 5I

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 168. 4 Nov 66, 56p. JPRS-38486.
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For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-35416 Field 6E

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TT-66-35579 Field 6E, 5I

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TT-66-35629 Field 6E

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Order from SLA: $1.60 as TT-66-14497

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TT-66-34722 Field 6H, 6E

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Order from SLA: $1.10 as TT-66-14080

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ON THE VARIATIONS OF THE CONTENT OF IODINE AND BROMINE IN THE THYROID OF ANIMALS TREATED WITH BROMINE (Sulle Variazioni del C Contenuto in Iodio d ed in Bromo della Tiroide nell' Animale Trattato con Bromo). 22p (foreign text included) 15refs.
Order from SLA: $2.60 as TT-66-14250

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TT-66-14251 Field 6P, 6A

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Trans. of Archivio di Fisiologia (Italy) v39 n2 p259-73 1939.

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Order from SLA: $1.60 as TT-66-14718

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TT-67-60275 Field 6P, 2E

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TT-67-60279 Field 6P

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Q. Protective equipment

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R. Radiobiology

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NCH-206 475 Field 6S

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TT-66-35582 Field 6S

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TT-67-60064 Field 6S, 6E

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TT-67-60314 Field 6S

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Order from CFSTI: HC$3.00, MF$0.65 as AD-644 115

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T. Toxicology

NCH-206 327 Field 6T

Geerlings, B. A.
A CASE OF NICOTINE POISONING, THROUGH THE USE OF RAW SALAD. 1966, 4p (figs omitted). K-H-779f.
Order from K-H: $5.00 as K-H-779f

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TT-66-34630 Field 6T, 6O

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TT-66-35048 Field 6T, 15B

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07 CHEMISTRY

TT-66-35542 Field 7-

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Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35542

TT-66-35677 Field 7-

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Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35677

A. Chemical engineering

NCH-206 408 Field 7A

Ko, S.
MEASUREMENT OF ABSORPTION EQUILIBERIA OF HYDROCARBON CRACKED GASES IN VARIOUS SOLVENTS. 17 Oct 66, 22p, 14refs. SA-KKZ-65-1537-1542.
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NCH-206 415 Field 7A

Yamashita, Y.; Kato, H.; Kuno, K.; Ito, T.; Hasegawa, M.
SYNTHESES AND PROPERTIES OF ACRYLATE POLYSOAPS. 17 Oc6 66, 21p, 15refs.
SA-KKZ-65-2050-2054.
Order from SA: $25.00 as SA-KKZ-65-2050-2054

Trans. of Kogyo Kagaku Zasshi (Japan) v65 n12 p2050-4 1962.

TT-66-15258 Field 7A

Mallison, H.
DIVISION OF COAL TAR AND PITCH. 21p (figs omitted) 15refs.
Order from SLA: $2.60 as TT-66-15258

Trans. of Bitumen Teere Asphalte Peche und Verwandte Staffe (West Germany) v1 n12 p313-7 1950.

TT-66-15259 Field 7A

Schlosser, F.; Stapel, S.
ON THE KRAEMER-SARNOW DETERMINATION OF THE SOFTENING POINT (Ueber die Bestimmung des Erweichungspunktes nach Kraemer-Sarnow). 8p (foreign text included) 9refs.
Order from SLA: $1.10 as TT-66-15259

Trans. of Bitumen, Teere, Asphalte, Peche und Verwandte Stoffe (West Germany) v8 p180-1 1957.

TT-66-15262 Field 7A

Peters, K.
ELECTRICAL TREATMENT OF GASES. 11p.
Order from SLA: $1.60 as TT-66-15262

Trans. of Brennstoff-Chemie (West Germany) v10 p441-4 1929.

TT-66-15263 Field 7A

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Order from SLA: $2.60 as TT-66-15263

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ON THE MECHANISM OF THE ACTION OF ELECTRIC DISCHARGE ON METHANE. 6p (figs omitted) 3refs.
Order from SLA: $1.10 as TT-66-15264

Trans. of Brennstoff-Chemie (West Germany) v12 p67-8 1931.

TT-66-15265 Field 7A

Demann, W.
EXTRACTION STUDIES OF COAL-TAR PITCHES. 11p, 3refs.
Order from SLA: $1.60 as TT-66-15265

Trans. of Brennstoff-Chemie (West Germany) v14 p121-3 1933.

TT-66-15285 Field 7A, 11L

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FRACTIONATION OF ETHYL CELLULOSE. 8p, (figs some refs omitted).
Order from SLA: $1.10 as TT-66-15285

Trans. of Cellulose-Chemie (Germany) v14 p135-8 1933.

TT-66-35421 Field 7A, 13I

USSR INDUSTRIAL DEVELOPMENT: CHEMICAL INDUSTRY AND MACHINERY NO. 26. 7 Dec 66, 18p. JPRS-38998.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35421

TT-66-35454 Field 7A, 13I

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USSR INDUSTRIAL DEVELOPMENT: CHEMICAL INDUSTRY AND MACHINERY NO. 27. 9 Dec 66, 22p, refs. JPRS-39031.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35454

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TT-66-35656 Field 7A, 13H

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ALL-UNION SCIENTIFIC-TECHNICAL CONFERENCE FOR AUTOMATION OF CHEMICAL PRODUCTION. 22 Dec 66, 8p. JPRS-39234.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35656

Trans. of Khimicheskaya Promyshlennost (USSR) n7 p69-71 1965.

B. Inorganic chemistry

TT-66-15225 Field 7B

Wiberg, E.; Bolz, A.
"INORGANIC BENZENE," B3N3H6, PT. I. 19p (some figs omitted) 25refs.
Order from SLA: $1.60 as TT-66-15225

Trans. of Chemische Berichte (West Germany) v73 p209-22 1940.
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TT-66-15251 Field 7B

Berend, N.
AN IODOMETRIC MICROMETHOD FOR DETERMINATION OF CHLORIDES. 7p.
Order from SLA: $1.10 as TT-66-15251

Trans. of Biochemische Zeitschrift (West Germany) v252 p362-5 1932.

TT-66-15252 Field 7B

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THE DETERMINATION OF SMALLEST IODINE QUANTITIES IN ORGANIC MATERIAL. 14p (figs omitted) 11refs.
Order from SLA: $1.60 as TT-66-15252

Trans. of Biochemische Zeitschrift (West Germany) v261 p436-43 1933.

TT-66-35062 Field 7B, 6E

Li Tso-shun.
COMMUNIST CHINA: SCIENCE AND TECHNOLOGY: TRANSLATIONS NO. 349. 15 Nov 66, 20p. JPRS-38637.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35062

Trans. of Hsin Chien She (Chinese People's Republic) n10 p79-85 1965 and from Chin Jih Hsin Wen (Chinese People's Republic) 6 Sep p7 1966.

TT-67-60141 Field 7B

Belyaev, A. V.; Ptitsyn, B. V.
HYDROLYSIS OF POTASSIUM HEXACHLORORHODITE. Nov 66, 10p (foreign text included) 3refs. INC-Trans-66/284.
Order from CFSTI: HC$3.00, MF$0.65 as TT-67-60141

Trans. of Zhurnal Neorganicheskoi Khimii (USSR) v11 n6 p1345-8 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-67-60167 Field 7B

Ezerskaya, N. A.; Solovykh, T. P.
REVERSIBLE REACTION OF RUTHENIUM ETHYLENE-DIAMINE TETRAACETATE WITH OXYGEN. Nov 66, 10p (foreign text included) 10refs. INC-Trans-66/285.
Order from CFSTI: HC$3.00, MF$0.65 as TT-67-60167

Trans. of Zhurnal Neorganicheskoi Khimii (USSR) v11 n6 p1462-5 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-67-60234 Field 7B, 7C

Predvoditelev, A. S.
THE STATE EQUATIONS OF XENON AND METHANE. 27 Sep 66, 9p, 4refs. FTD-HT-66-454; AD-643 877.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 877

Unedited rough draft trans. of Inzhenerno-Fizicheskii Zhurnal (USSR) v7 n1 p93-7 1964.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

C. Organic chemistry

NCH-206 177 Field 7C, 6F

Rosenberger, G.
EXPERIMENTS ON GADFLY CONTROL WITH THE ORGANOPHOSPHORIC PRODUCTS ETROLENE WITH RUELENE. 24 Jun 66, 13p. IICH-8894.
Order from IICH: $13.00 as IICH-8894

Trans. of Deutsche Tieraerztliche Wochenschrift (West Germany) v68 p547-51 1961.

NCH-206 406 Field 7C

Kato, J.; Ito, T.; Yabe, Y.; Iwanaga, R.; Yoshida, T.
STUDIES ON BETA-CYANOPROPIONALYDEHYDE. 3. ON THE BY-PRODUCT OF HYDROFORMYLATION REACTION OF ACRYLONITRILE. 17 Oct 66, 15p, 16refs. SA-KKZ-65-184-187.
Order from SA: $19.00 as SA-KKZ-65-184-187

Trans. of Kogyo Kagaku Zasshi (Japan) v65 n2 p184-7 1962.

NCH-206 407 Field 7C

Mifune, A.; Ishida, S.; Kobayashi, A.; Sakajiri, S.
STUDIES ON POLYETHYLENE TEREPHTHALATE. 3. STUDIES ON SUBLIMATES FROM MOLTEN POLYETHYLENE TEREPHTHALATE. 17 Oct 66, 17p, 9refs. SA-KKZ-65-992-995.
Order from SA: $22.00 as SA-KKZ-65-992-995

Trans. of Kogyo Kagaku Zasshi (Japan) v65 n6 p992-5 1962.

NCH-206 409 Field 7C, 11I

Otani, S.; Ishikawa, T.
STUDY ON THE CARBONIZATION AND GRAPHITIZATION OF ORGANIC COMPOUNDS. 12. ON THE RELATION BETWEEN THE MOLECULAR STRUCTURE OF POLYVINYL CHLORIDE AND ITS PYROLYSIS PRODUCT. 17 Oct 66, 21p, 8refs. SA-KKZ-65-1617-1622.
Order from SA: $25.00 as SA-KKZ-65-1617-1622

Trans. of Kogyo Kagaku Zasshi (Japan) v65 n10 p1617-22 1962.

NCH-206 410 Field 7C

Naokawa, T.; Kakiuchi, H.
STUDIES ON UTILIZATION OF POLYOXYMETHYLENE. 1. FORMATION OF TOLUENE-FORMALDEHYDE RESIN AND ITS COMPOSITION. 17 Oct 66, 18p, 6refs. SA-KKZ-65-1679-1682.
Order from SA: $22.00 as SA-KKZ-65-1679-1682

Trans. of Kogyo Kagaku Zasshi (Japan) v65 n10 p1679-82 1962.

NCH-206 411 Field 7C

Naokawa, T.; Kakiuchi, H.
STUDIES ON UTILIZATION OF POLYOMYMETHYLENE. 2. CONDENSATION OF TOLUENE-FORMALDEHYDE RESIN WITH PHENOLS. 17 Oct 66, 29p, 8refs. SA-KKZ-65-1683-1688.
Order from SA: $28.00 as SA-KKZ-65-1683-1688

Trans. of Kogyo Kagaku Zasshi (Japan) v65 n10 p1683-8 1962.

NCH-206 412 Field 7C

Naokawa, T.; Ishii, K.; Kakiuchi, H.
STUDIES ON UTILIZATION OF POLYOXYMETHYLENE. 3. CONDENSATION OF TOLUENE-FORMALDEHYDE RESIN WITH ANILINE. 17 Oct 66, 16p, 4refs. SA-KKZ-65-1689-1692.
Order from SA: $22.00 as SA-KKZ-65-1689-1692

Trans. of Kogyo Kagaku Zasshi (Japan) v65 n10 p1689-92 1962.

NCH-206 413 Field 7C

Ito, I.; Saegusa, T.; Furukawa, J.
TERPOLYMERIZATION INVOLVING SULFUR DIOXIDE. 3. POLYMERIZATION OF TERNARY SYSTEMS OF ALLYL CHLORIDE-ACRYLATE-SULFUR DIOXIDE AND VINYL CHLORIDE-ACRYLATE-SULFUR DIOXIDE. 17 Oct 66, 27p, 13refs. SA-KKZ-65-1878-1883.
Order from SA: $28.00 as SA-KKZ-65-1878-1883

Trans. of Kogyo Kagaku Zasshi (Japan) v65 n11 p1878-83 1962.

NCH-206 417 Field 7C, 11I

Horiuchi, H.
STUDIES ON PHENOL RESIN FORMATION. 25. FISSION AND RECOMBINATION OF VOVOLAK RESIN MOLECULES IN THE PRESENCE OF ALKALIES. 17 Oct 66, 9p, 4refs. SA-KKZ-66-145-147.
Order from SA: $16.00 as SA-KKZ-66-145-147

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n1 p145-7 1963.

NCH-206 418 Field 7C

Horiuchi, H.
STUDIES ON PHENOL RESIN FORMATION. 27. ACETAL COMPOUNDS IN THE EARLY STAGE OF NOVOLAK RESIN FORMATION. 17 Oct 66, 22p, 21refs. SA-KKZ-66-150-155.
Order from SA: $25.00 as SA-KKZ-66-150155

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n1 p150-5 1963.

NCH-206 419 Field 7C

Horiuchi, H.
STUDIES ON PHENOL RESIN FORMATION. 28. ON THE EFFECTS OF ORGANIC SOLVENTS ON BASE-CATALYZED PHENOL-FORMALDEHYDE REACTION. 17 Oct 66, 15p, 17refs. SA-KKZ-66-155-158.
Order from SA: $19.00 as SA-KKZ-66-155-158

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n1 p155-8 1963.

NCH-206 421 Field 7C

Nagaoka, K.; Adachi, T.; Kudo, S.
ON THE BY-PRODUCTS OF THE SYNTHESIS OF 2-ETHYLHEXANOL FROM BUTYRALDEHYDE. 17 Oct 66, 20p, 17refs. SA-KKZ-66-231-234.
Order from SA: $22.00 as SA-KKZ-66-231-234

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n2 p231-4 1963.

NCH-206 649 Field 7C

Entina, V. S.; Petrii, O. A.; Shelepin, I. V.
SOME CHARACTERISTICS OF THE BEHAVIOUR OF PALLADIUM, RUTHENIUM AND PALLADIUM-RUTHENIUM ELECTRODES IN ORGANIC COMPOUND SOLUTIONS. Aug 66, 12p (foreign text included) 14refs. INC-Trans-66/205.
Order from NLL

Trans. of Elektrokhimiya (USSR) v2 n4 p457-64 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-14114 Field 7C, 6O

Braun, J. V.
STUDIES ON MORPHINE ALKALOIDS. Report no. 3. Tr. by J. Chapin. 24 Aug 66, 14p, 7refs. NIH-8-17-66.
Order from SLA: $1.60 as TT-66-14114

Trans. of Chemische Berichte (West Germany) v49 p977-89 1916.

TT-66-14659 Field 7C, 6O

Gengrinovich, A. I.; Kadyrov, Ya. K.
QUANTITATIVE DETERMINATION OF DUOTAL. 3p.
Order from SLA: $1.10 as TT-66-14659

Trans. of Aptechnoe Delo (USSR) v5 n5 p58-9 1956.

TT-66-14716 Field 7C, 6A

Hahn, G.; Ludewig, H.
SYNTHESIS OF TETRAHYDROHARMAN DERIVATIVES UNDER PHYSIOLOGICAL CONDITIONS. REPORT NO. 1. Tr. by W. H. Everhardy, 26 Sep 66, 6p, 8refs. NIH-9-28-66.
Order from SLA: $1.10 as TT-66-14716

Trans. of Chemische Berichte (West Germany) v67 n12 p2031-5 1934.

TT-66-15006 Field 7C, 7D

Giorgini, M.; Lucchesi, A.
BORON PHOSPHATE. REPT. 3: CATALYTIC PROPERTIES IN THE HYDRATION OF ETHYLENE. 17p, 20refs.
Order from SLA: $1.60 as TT-66-15006

Trans. of la Chimica e l'Industria (Italy) v48 n1 p25-9 1966.

TT-66-15213 Field 7C

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Trans. of Chemische Berichte (West Germany) v70 p1333-7 1937.
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Staudinger, H.
HIGHLY POLYMERIZED COMPOUNDS. COMMUNICATION NO. 182: REMARKS ON THE MICELLAR THEORY OF CELLULOSE OF TH. LIESER. 9p, 33refs.
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TT-66-15221 Field 7C

Hock, H.; Gaenicke, K.
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Order from SLA: $1.60 as TT-66-15221

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TT-66-15222 7C, 11I

Breitenbach, J. W.; Springer, A.; Horeischy, K.
THE STABILIZING ACTION OF HYDROQUINONE ON THE HEAT POLYMERIZATION OF STYRENE. 4p, 4refs.
Order from SLA: $1.10 as TT-66-15222

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Order from SLA: $1.60 as TT-66-15223

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Order from SLA: $1.10 as TT-66-15224

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Order from SLA: $1.60 as TT-66-15227

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Order from SLA: $1.10 as TT-66-15230

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Order from SLA: $2.60 as TT-66-15233

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CONTRIBUTION TO THE KNOWLEDGE OF THE OXIDIZING ACTION OF THE ALKALIES. PT. V, CRESOLS. 11p, 15refs.
Order from SLA: $1.60 as TT-66-15234

Trans. of Chemische Berichte (West Germany) v72b p77-82 1939.

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CLEAVAGE OF THE ALDEHYDE GROUP AS FORMIC ACID FROM AROMATIC ALDEHYDES. I: POLYCHLOROBENZALDEHYDE. 12p, 39refs.
Order from SLA: $1.60 as TT-66-15236

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Order from SLA: $1.10 as TT-66-15238

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THE FORMATION OF NAPTHALENE FROM ORTHO DIVINYL BENZENE. 4p (figs omitted).
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Neuberg, C.; Ascher, E.
FORMATION OF ISOSERIN FROM ALPHA-BETA-DIBROMPROPIONIC ACID. 3p.
Order from SLA: $1.10 as TT-66-15248

Trans. of Biochemische Zeitschrift (West Germany) v6 p561-2 1907.
Partial trans. of p559-62.

TT-66-15250 Field 7C

Nakai, R.
BROMAL AND ACETALDEHYDE. 10p (refs omitted).
Order from SLA: $1.10 as TT-66-15250

Trans. of Biochemische Zeitschrift (West Germany) v152 p270-5 1924.
Partial trans. of p258-75.

TT-66-15261 Field 7C

Friedmann, W.
DEHYDROGENATION BY MEANS OF SULFUR. 6p, 27refs.
Order from SLA: $1.10 as TT-66-15261

Trans. of Brennstoff-Chemie (West Germany) v8 n16 p257-9 1927.

TT-66-15274 Field 7C, 11I

Risi, J.; Gauvin, D.
CONTRIBUTION TO THE STUDY OF POLYMERIZATION. II. PROPERTIES, MECHANISM OF FORMATION AND CONSTITUTION OF THE DISTYRENES AND POLYSTYRENES. 19p, 15refs.
Order from SLA: $1.60 as TT-66-15274

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TT-66-15280 Field 7C, 11L

Pringsheim, H.; Shreiber, A.
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Order from SLA: $6.60 as TT-66-15280

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TT-66-15281 Field 7C, 11L

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Neuberg, C.
SYNTHESIS OF OXY-AND DIAMINO ACIDS, III.
4p, 3refs.
Available on loan from SLA as TT-66-15510

Trans. of Biochemische Zeitschrift (West Germany) v1 p289-94 1906.
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TT-67-60238 Field 7C

Pan Chia-Lai.
APPLICATIONS OF NUCLEAR MAGNETIC RESONANCE SPECTRA IN THEORETICAL ORGANIC CHEMISTRY RESEARCH. 13 Oct 66, 27p, 48refs. FTD-HT-66-423; AD-643 898.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 898

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TT-67-60287 Field 7C, 20I

Zhukov, M. F.
PECULIARITIES OF BURNING OF ELECTRIC ARC IN PLASMATRONS AND SIMILARITY CRITERIA. 30 Jun 66, 38p. FTD-MT-65-532; AD-644 033.
Order from CFSTI: HC$3.00, MF$0.65 as AD-644 033

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Mezhdunarodnyi Simpozium po Svoistvam i Primeneniyu Nizkotemperaturnoi Plazny. Mezhdunarodnom Kongresse po Teoreticheskoi i Prikladnoi Khimii, no. 20.

D. Physical chemistry

NCH-206 420 Field 7D

Kuroiwa, S.; Miyashita, M.
COLLOIDAL STUDIES OF TEXTILE ASSISTANTS. 15. VISCO-ELASTICITY OF HIGHLY CONCENTRATED AQUEOUS SOLUTION OF ANIONIC SURFACE ACTIVE AGENTS. 17 Oct 66, 15p, 9refs. SA-KKZ-66-212-214.
Order from SA: $19.00 as SA-KKZ-66-212-214

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n2 p212-4 1963.

NCH-206 453 Field 7D

Shishnakov, N. A.
OXIDE FILMS ON PLATINUM. Jul 66, 18p. RTS-3040.
Order from NLL: 40s as RTS-3040

Trans. of mono. Stroenie Mekhanizm Obrazovaniya Okisn. Plen. Metallakh, n.p., 1959 p92-110.

NCH-206 585 Field 7D

Hanke, W.
SIMPLE SYNTHESIS OF SUBSTITUTED POLYMERIC PHTHALOCYANINES. Jun 66, 3p (foreign text included). INC-Trans-66/193.
Order from NLL

Trans. of Zeitschrift fuer Chemie (East Germany) v6 p69-70 1966.

NCH-206 634 Field 7D

Bode, H.; Dehmelt, K.; Witte, J.
CONTRIBUTION TO THE UNDERSTANDING OF THE NICKEL HYDROXIDE ELECTRODE. I: NICKEL(II) HYDROXIDE HYDRATE. Sep 66, 8p, (foreign text included) 18refs. NLL-M.5954.
Order from NLL as M.5954

Trans. of Electrochimica Acta (U. S.) v11 p1079-87 1966.

TT-66-14359 Field 7D, 6A

Volpin, M. E.; Shur, V. B.
PROBLEMS ON THE CHEMICAL FIXATION OF MOLECULAR NITROGEN. 10p, 9refs.
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TT-66-15226 Field 7D

Korsching, H.; Wirtz, K.
SEPARATION OF LIQUID MIXTURES BY THERMO-DIFFUSION. 30p (figs omitted) 28refs.
Order from SLA: $2.60 as TT-66-15226

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TT-66-15353 Field 7D

Dunoyer, J. M.
THEORETICAL KINETIC STUDY OF THE REACTION OF A GAS ON A SOLID IN WHICH IT DIFFUSES. 2p (figs omitted).
Order from SLA: $1.10 as TT-66-15353

Trans. of Academie des Sciences, Paris Comptes Rendus (France) v228 p1729-31 1949.

TT-66-15354 Field 7D

Dunoyer, J. M.
EXPERIMENTAL STUDY OF THE KINETIC REACTION OF A SOLID GAS. 2p (figs omitted).
Order from SLA: $1.10 as TT-66-15354

Trans. of Academie des Sciences, Paris. Comptes Redus (France) v229 n3 p205-7 1949.

TT-67-60163 Field 7D

Ginzburg, S. I.; Chalisova, N. N.; Krasikov, B. S.
FORMS OF RHODIUM PRESENT IN SULPHATE ELECTROLYTES. Sep 66, 11p (foreign text included) 8refs. INC-Trans-66/262.
Order from CFSTI: HC$3.00, MF$0.65 as TT-67-60163

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For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-67-60166 Field 7D

Vasserman, I. M.; Evdokimova, M. L.; Miroslavskii, A. S.
CONTINUOUS AUTOMATIC SYSTEM FOR THE PRODUCTION OF LOWER NICKEL HYDROXIDE FROM HYDROMETALLURGICAL COBALT MANUFACTURE SOLUTIONS. Oct 66, 15p (foreign text included) 1ref. INC-Trans-66/281.
Order from CFSTI: HC$3.00, MF$0.65 as TT-67-60166

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For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-67-60188 Field 7D

Kwang tse Hsu.
THE APPLICATION OF ELECTRON MAGNETIC RESONANCE IN CATALYSIS RESEARCH. 21 Nov 66, 15p, 22refs. FTD-TT-65-1873; AD-643 599.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 599

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TT-67-60201 Field 7D

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Order from CFSTI: HC$3.00, MF$0.65 as AD-643 601

Edited trans. from Ho Wu Li T'an Ts'e Ch'i Chi Ch'i Ying Yung, n.p., 1964 567p.

TT-67-60229 Field 7D, 11F, 13H

Borisov, V. T.; Golikov, V. M.; Dubinin, G. N.
DETERMINATION OF THE DIFFUSION COEFFICIENTS IN ALLOYS WITH SEVERAL PHASES. Tr. by Harry Brooks. 27 Oct 66, 14p, 15refs. RSIC-604; AD-643 803.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 803

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For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-67-60239 Field 7D, 4B

Zuev, V. E.; Kabanov, M. V.; Koshelev, B. P.; Tvorogov, S. D.; Khmelevtsov, S. D.
SPECTRAL TRANSPARENCY AND MICROSTRUCTURE OF ARTIFICIAL FOG. 2 Sep 66, 18p, 16refs. FTD-HT-66-396; AD-643 900.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 900

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TT-67-60253 Field 7D, 11I, 14B

Kocharyan, N. M.; Pikalov, A. P.
EFFECT OF THE DEGREE OF ELONGATION OF POLYMETHYL-METHACRYLATE (PMMA) ON THE MAGNITUDE OF THE SECOND MOMENTS OF A NUCLEAR MAGNETIC RESONANCE SPECTRUM (YAMR). 29 Jul 66, 10p, 10refs. FTD-TT-65-2007; AD-643 729.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 729

Unedited rough draft trans. of Akademiya Nauk Armyanskoi SSR, Erevan. Doklady, v40 n1 p25-9 1965.

TT-67-60274 Field 7D, 21B, 20D, 19D

Borisov, A. A.; Kogarko, S. M.; Lyubimov, A. V.
ON THE APPLICATION OF SHOCK TUBES FOR INVESTIGATION OF CHEMICAL REACTIONS. 15 Aug 66, 22p, 10refs. FTD-MT-65-257; AD-643 982.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 982

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TT-67-60278 Field 7D, 4T, 20L

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ENERGY SPECTRUM PI-ELECTRONS IN LONG CHAINS OF CONJUGATE BONDS. 15 Aug 66, 27p, 18refs. FTD-MT-66-27; AD-643 961.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 961

Edited machine trans. of Chung Kuo K'o Hsueh (Chinese People's Republic) v10 n6 p653-75 1961.

TT-67-60280 Field 7D, 20B

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Order from CFSTI: HC$3.00, MF$0.65 as AD-643 994

Unedited rough draft trans. of Akademiya Nauk SSSR. Doklady, v110 n1 p67-70 1956.

E. Radio and radiation chemistry

NCH-205 795 Field 7E, 6A

Salavev, K. M.
SPECTRAL-LUMINESCENT PROPERTIES OF PORPHIN DERIVATIVES (Spektralna-lyuminestsentnyya Vlastsivastsi Vytvornykh Parfinu). Aug 66, 20p, 27refs. RTS-3261.
Order from NLL: 27s 6d as RTS-3261

Trans. of Akademiya Navuk BSSR, Minsk. Vestsi. Seryya Fizika-Tekhnichnykh Navuk, n3 p27-38 1962.

NCH-206 422 Field 7E

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Order from SA: $25.00 as SA-KKZ-66-259-263

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TT-66-15312 Field 7E, 13C

Pobell, F.; Wittmann, F.
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Order from SLA: $1.60 as TT-66-15312

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TT-66-15368 Field 7E

Merz, H.; Pfleiderer, G.; Wieland, T.
SYNTHESES OF (32)S- OR (35)S-LABELLED MALEIMIDES. Tr. by E. F. Towndrow. Sep 65, 26p, 12refs. NP-tr-1323.
Order from SLA: $2.60 as TT-66-15368

Trans. of Biochemische Zeitschrift (West Germany) v342 n1 p66-75 1965.

TT-67-60300 Field 7E, 11I, 14E, 20F

Belyakova, A. P.; Bokov, Yu. S.; Lavrishchev, V. P.; Konovalov, P. G.; Vaskevich, D. N.
LIGHT SENSITIVITY OF POLYVINYLCINNAMATE AND ITS NITRODERIVATIVES. 14 Jul 66, 9p, 12refs. FTD-HT-66-145; AD-644 044.
Order from CFSTI: HC$3.00, MF$0.65 as AD-644 044

Unedited rough draft trans. of Vysokomolekulyarnye Soedineniya (USSR) v7 n9 p1637-40 1965.

08 EARTH SCIENCES AND OCEANOGRAPHY

F. Geography

TT-66-35515 Field 8F, 8G

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: EARTH SCIENCES NO. 74. 13 Dec 66, 27p. JPRS-39092.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35515

Abstract trans. of mono. Chung-kuo Ti-li Hsueh-hui 1963-nien Nien-hui Lun wen Hsuan-chi, Peiping, Apr 65 p1-104 and of Ti Chih K'o Hsueh (Chinese People's Republic) n3 p109-69.
Selected Papers from the 1963 Annual Meeting of the Geographical Society of China - Geomorphology, Apr 65.

G. Geology and mineralogy

TT-66-35461 Field 8G

Pokrishkin, V.; Shirokov, V.
CUBA: TRANSLATIONS NO. 526. General Information on the Geological Structure and Mesozoic-Cenozoic Phosphatization in Sediments of Pinar Del Rio Province. 9 Dec 66, 21p, 5refs. JPRS-39038.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35461

Trans. of Nuestra Industria; Revista Tecnologica (Cuba) v4 n4 p20-31 1966.

TT-66-35543 Field 8G

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: EARTH SCIENCES NO. 75. 14 Dec 66, 10p. JPRS-39120.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35543

TT-67-60316 Field 8G

Muratov, M. V.
COMPARATIVE TECTONICS OF THE BASE OF THE OLD PLATFORMS AND THE HISTORY OF THEIR FORMATION (Sravnitelnaya Tektonika Fundamenta Drevnikh Platform i Istoriya Ikh Formirovaniya). Tr. by George Synenko. Nov 66, 74p, 89refs. ACIC-TC-1101; AD-644 095.
Order from CFSTI: HC$3.00, MF$0.65 as AD-644 095

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Geologiya i Razvedka (USSR) v9 n3 48p 1966.

H. Hydrology and limnology

TT-66-34622 Field 8H, 6C

Vinberg, G. G.
TRAINING OF SOVIET HYDROBIOLOGISTS. 17 Oct 66, 6p. JPRS-38195.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-34622

Trans. of Gidrobiologicheskii Zhurnal (USSR) n3 p98-9 1966.

TT-66-51016 Field 8H, 4B

Shulyakovskii, L. G., ed.
MANUAL OF FORECASTING ICE-FORMATION FOR RIVERS AND INLAND LAKES (Prognozy Ledovykh Yavlenii na Rekakh i Vodokhranilishchakh). 1966, 242p, refs. SFCSI-Comm(TT-66-51016).
Order from CFSTI: $3.00 as TT-66-51016

Trans. of Rukovodstvo po Gidrologicheskim Prognozam (USSR) n4 1963.

L. Snow, ice and permafrost

TT-65-50144 Field 8L

Kotlyakov, V. M.
THE SNOW COVER OF THE ANTARCTIC AND ITS ROLE IN THE PRESENT-DAY GLACIATION OF THE CONTINENT (Snezhnyi Pokrov Antarktidii i ego Rol v Sovremennom Oledenenii Materika). 1966, 265p, 413refs. SFCSI-NSF(TT-65-50144).
Order from CFSTI: $3.00 as TT-65-50144

Trans. of Seismicheskie i Glyatsiologicheskie Issledovaniya: Sbornik Statei (USSR) n7 1961.

M. Soil mechanics

TT-66-51130 Field 8M

Zavalishin, A. A.; Firsova, V. P.
THE GENESIS OF SOILS OF PODZOLIC TYPE ON COVERING LOAM IN THE CENTRAL PART OF THE RUSSIAN PLAIN (K Izucheniyu Genezisa Pochv Podzolistogo Tipa na Pokrovnykh Suglinkakh Tsentralnoi Chasti Russkoi Ravniny). 1966, 96p, refs. SFCSI-Agr(TT-66-51130).
Order from CFSTI: $3.00 as TT-66-51130

Trans. of Tsentralnyi Muzei Pochvovedeniya, Sbornik Rabot (USSR) v3 p7-95 1960.

09 ELECTRONICS AND ELECTRICAL ENGINEERING

A. Components

TT-67-60318 Field 9A

Deutscher, K.
INTERFERENCE PHOTOCATHODES OF INCREASED YIELD WITH FREELY SELECTIVE SPECTRAL MAXIMUM (Interferenz-Photokathoden Erhoehter Ausbeute mit Frei Waehlbarem Spektralem Maximum). Dec 66, 28p, 7refs. AERDL-T-1879-66; AD-644 149.
Order from CFSTI: HC$3.00, MF$0.65 as AD-644 149

Trans. of Zeitschrift fuer Physik (West Germany) v151 p537-55 1958.

B. Computers

TT-66-35644 Field 9B

SOVIET PROBLEMS IN ASSIMILATING COMPUTER TECHNOLOGY. 21 Dec 66, 8p. JPRS-39222.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35644

Trans. from Izvestiya (USSR) 22 Jul p5 1966.

TT-67-60231 Field 9B

Doncov, B., comp.
COMPUTER TECHNOLOGY: COMPILATION OF ABSTRACTS. 29 Sep 66, 84p, 69refs. ATD-66-120; AD-643 854.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 854

Rept. on Surveys of Foreign Scientific and Technical Literature.

TT-67-60241 Field 9B, 5A

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TT-66-35424 Field 9C

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TT-66-35516 Field 9C

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TT-66-35618 Field 9C

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Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35618

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TT-66-35688 Field 9C

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D. Information theory

TT-66-35136 Field 9D, 6D

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TT-66-35521 Field 9D, 6D

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TT-67-60191 Field 9E, 20E

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TT-67-60195 Field 9E, 17B

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Order from CFSTI: HC$3.00, MF$0.65 as AD-643 621

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TT-67-60263 Field 9E, 14D

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10 ENERGY CONVERSION (NON-PROPULSIVE)

A. Conversion techniques

TT-66-35445 Field 10A, 11H

Mitzinger, W.; Martens; Guenther, M.; Zoellner, W.
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B. Power sources

TT-66-35406 Field 10B

HELIOTECHNOLOGY, NO. 4, 1966. 6 Dec 66, 91p, refs. JPRS-38983.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35406

Trans. of Geliotekhnika (USSR) n4 p3-91 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-67-60187 Field 10B

Chao, C. S.
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11 MATERIALS

TT-66-35619 Field 11-, 20B, 13H

USSR SCIENTIFIC ABSTRACTS: MATERIALS SCIENCE AND METALLURGY NO. 18. 21 Dec 66, 160p. JPRS-39197.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35619

TT-66-35627 Field 11-, 13H

USSR SCIENTIFIC ABSTRACTS: MATERIALS SCIENCE AND METALLURGY NO. 19. 21 Dec 66, 158p. JPRS-39205.
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C. Coatings, colorants and finishes

NCH-206 647 Field 11C

Brugger, R.
THE EFFECT AND REMOVAL OF IMPORTANT IMPURITIES IN NICKEL PLATING SOLUTIONS. Aug 66, 7p (foreign text included) 11refs. INC-Trans-66/209.
Order from NLL

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NCH-206 669 Field 11C, 13H

Browning, M. E.
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Order from NLL

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TT-67-60259 Field 11C

Konovalov, V. M.; Shabalin, K. N.
PROTECTION OF METALS WITH RUBBER COATINGS AGAINST CAVITATIONAL WEAR. 7 Oct 66, 9p, 4refs. FTD-HT-66-510; AD-643 734.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 734

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D. Composite materials

TT-67-60252 Field 11D, 7D

Polezhaev, Yu. V.
THEORETICAL ANALYSIS OF UNSTEADY HEATING AND DESTRUCTION OF A GLASS PLASTIC IN THE REGION OF THE STAGNATION POINT. 2 Sep 66, 15p, 9refs. FTD-HT-66-279; AD-643 733.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 733

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F. Metallurgy and metallography

NCH-206 492 Field 11F, 13H

Lavrentev, I. G.; Poyarkov, G. P.
PRODUCTION OF THREE-LAYER STEEL. 16 Sep 66. BISI-4910.
Order from BISI: $11.20 as BISI-4910

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Chernaya Metallurgiya (USSR) v8 n8 p38-40 1965.

NCH-206 495 Field 11F

Senda, K.
SOME CONSIDERATIONS ON THE MECHANISM OF THE DEOXIDATION REACTION OF MOLTEN STEEL. 15 Sep 66, BISI-4706.
Order from BISI: $21.00 as BISI-4706

Trans. of Tetsu to Hagane (Japan) v51 p1317-8 Jun 1965.

NCH-206 501 Field 11F, 13H

Born, K.; Lauprecht, W.
THE INFLUENCE OF SMALL NIOBIUM ADDITIONS ON THE PROPERTIES OF HIGH-STRENGTH STRUCTURAL STEELS WITH GOOD WELDING PROPERTIES. 22 Sep 66. BISI-4926.
Order from BISI: $16.80 as BISI-4926

Trans. of Baender, Bleche, Rohre (West Germany) v7 p80-7 Feb 1966.

NCH-206 503 Field 11F

Seeger, G.
THE INFLUENCE OF SALT BATH NITRIDING ON THE ALTERNATING AND PULSATING FATIGUE STRENGTH OF SMOOTH AND NOTCHED SPECIMENS OF WROUGHT, PLAIN C.45 STEEL. 22 Sep 66. BISI-4988.
Order from BISI: $28.00 as BISI-4988

Trans. of Haerterei-Technische Mitteilungen (West Germany) v21 p34-6 Apr 1966.

NCH-206 568 Field 11F

Maurer, K. L.
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Order from NLL

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NCH-206 569 Field 11F

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BEHAVIOUR IN SUPERHEATED STEAM "Fe-Cr-Ni" AUSTENITES AND FeA1 40. Apr 66, 7p (foreign text included) 10refs. INC-Trans-66/122.

Order from NLL

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NCH-206 570 Field 11F, 13H

Oppenheim, R.
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Order from NLL

Trans. of DEW Technische Berichte (West Germany) v6 p11-5 1966.

NCH-206 571 Field 11F, 13H

Dietrich, H.
THE ACCURACY OF FERRITE DETERMINATION IN AUSTENICITIC MATERIALS AND WELDED JOINTS. 1966, 24p (foreign text included) refs. INC-Trans-66/155.
Order from NLL

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NCH-206 573 Field 11F

Jezek, J.; Raineshova, J.
THE WORKABILITY OF STAINLESS CHROME-NICKEL STEELS STABILIZED WITH TITANIUM. May 66, 9p (foreign text included) refs. INC-Trans-66/165.
Order from NLL

Trans. of Hutnicke Listy (Czechoslovakia) v21 n2 p108-12 1966.

NCH-206 578 Field 11F

Petrich, G.
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Order from NLL

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NCH-206 582 Field 11F

Spaehn, H.; Faessler, K.
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Order from NLL

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NCH-206 583 Field 11F

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Order from NLL

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NCH-206 584 Field 11F, 7A

Bieger, F.; Krueger, H.
CHLORIDE CORROSION IN THE PRODUCTION AND PROCESSING OF LURGI GAS PRODUCED FROM COAL. May 66, 8p (foreign text included) 6refs. INC-Trans-66/133.
Order from NLL

Trans. of Werkstoffe und Korrosion (West Germany) v17 p224-30 1966.

NCH-206 587 Field 11F

Pfeiffer, H.; Sommer, G.
CLARIFICATION OF THE MODE OF ACTION OF ADDITION ELEMENTS IN RESISTANCE HEATING ALLOYS. Jun 66, 9p (foreign text included) refs. INC-Trans-66/177.
Order from NLL

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NCH-206 588 Field 11F, 13H

Pfeifer, F.
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Order from NLL

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NCH-206 642 Field 11F, 20B

Rabinkin, A. G.
SOME PROPERTIES OF A Co-Pt ALLOY. Sep 66, 8p (foreign text included) 9refs. INC-Trans-66/227.
Order from NLL

Trans. of Fizika Metallov i Metallovedenie (USSR) v2 n5 p688-92 1966.

TT-66-35450 Field 11F

Khasin, G.; Ryabchii, M.; Polisyuk, M.; Popov, F.; Grigoryan, G.
USSR INDUSTRIAL DEVELOPMENT: METALLURGY AND MINERALS NO. 33. 8 Dec 66, 23p. JPRS-39027.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35450

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TT-67-60168 Field 11F, 7A

Brusentsova, B. M.; Kareva, E. N.; Sharapova, T. N.; Yushchenko, K. A.
TWO-PHASE 21/5/Ti AND 21/6/2Mo/Ti STEELS

USED AS SUBSTITUTES FOR 12/10/Ti AND 17/13/2Mo/Ti STEELS AT THE LISICHANSK CHEMICAL COMBINE. Oct 66, 11p (foreign text included). INC-Trans-66/291.
Order from CFSTI: HC$3.00, MF$0.65 as TT-67-60168

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For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-67-60169 Field 11F

Svistunova, T. V.; Doronin, V. M.; Krushkov, V. I.
CORROSION-RESISTING NICKEL-BASE ALLOYS. Nov 66, 14p (foreign text included) 8refs. INC-Trans-66/296.
Order from CFSTI: HC$3.00, MF$0.65 as TT-67-60169

Trans. of Stal (USSR) v26 n8 p748-51 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-67-60196 Field 11F, 13H

FIRST IN THE USSR (Pervaya v SSSR). 8 Dec 66, 7p. FTD-HT-66-525; AD-643 626.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 626

Unedited rough draft trans. of Vystavka Dostizhenii Narodnogo Khozyaistva SSR. Informatsionnyi Bulleten, n7 p16 1965.

TT-67-60226 Field 11F

Castaing, R.; Pichoir, F.
A METHOD FOR THE NONDISPERSIVE ANALYSIS OF VERY LIGHT ELEMENTS (Une Methode d'Analyse non Dispersive des Elements Tres Legers). Jul 66, 36p, 13refs. NASA-TT-F-422; N66-30083.
Order from CFSTI: HC$3.00, MF$0.65 as N66-30083

Trans. of la Recherche Aerospatiale (France) n108 p3-16 1965.

TT-67-60233 Field 11F, 20K

Lavysh, A. I.; Morozov, M. G.
WEAR RESISTANCE OF ALLOYS FOR GAS TURBINE INSTALLATIONS. 7 Oct 66, 10p, 6refs. FTD-HT-66-511; AD-643 876.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 876

Unedited rough draft trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Energetika (USSR) v8 n9 p115-9 1965.

TT-67-60256 Field 11F, 13H

Oding, I. A.; Zubarev, P. V.
METHODS OF IMPROVING THE HEAT-RESISTANT PROPERTIES OF MATERIALS. 24 Aug 66, 10p, 7refs. FTD-TT-66-111; AD-643 726.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 726

Unedited rough draft trans. of mono. Polzuchest i Ditelnaya Prochnost, Novosibirsk, 1963 p70-4.

TT-67-60271 Field 11F, 20B

Chernyak, G. S.; Smirnova, A. V.; Kokorin, G. A.
EFFECT OF TITANIUM, ALUMINUM, CARBON, AND BORON ON THE STRUCTURE AND PHASE COMPOSITION OF A NICKEL BASE ALLOY. 23 Sep 66, 19p, 5refs. FTD-TT-65-1412; AD-643 968.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 968

Edited trans. of Tsentralnyi Nauchno-Issledovatelskii Institut Chernoi Metallurgii. Sbornik Trudov (USSR) n38 p51-65 1964.

TT-67-60282 Field 11F

Pshechenkova, G. V.; Skokov, A. D.
MAGNETIC ALLOYS FOR HIGH-TEMPERATURE SERVICE. 2 Sep 66, 11p, 2refs. FTD-HT-66-196; AD-643 991.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 991

Unedited rough draft trans. of Elektrichesto (USSR) n4 p81-3 1965.

TT-67-60299 Field 11F

PHASE COMPOSITION, STRUCTURE, AND PROPERTIES OF ALLOY STEELS AND ALLOYS: SELECTED ARTICLES. 30 Aug 66, 59p, 41refs. FTD-MT-66-16; AD-644 036.
Order from CFSTI: HC$3.00, MF$0.65 as AD-644 036

Edited machine trans. of mono. Fazovyi Sostav, Struktura, i Svoistva Legirovannykh Stalei i Splavov, Moscow, 1965 p5-19, 28-38, 39-47, 202-10.

TT-67-60321 Field 11F, 7D

Arbuzov, M. P.; Chuprina, V. G.
STUDYING THE OXIDATION OF Ni3Al-Ni3Nb ALLOY SYSTEMS. 29 Aug 66, 13p, 17refs. FTD-HT-66-129; AD-644 166.
Order from CFSTI: HC$3.00, MF$0.65 as AD-644 166

Unedited rough draft trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Fizika (USSR) n1 p93-8 1964.

G. Miscellaneous materials

TT-67-60293 Field 11G, 13H

Litovchenko, N. I.; Dobrovolskii, G. G.
THE PRODUCTION OF SOFT-MAGNETIC MATERIALS BY THE METHOD OF POWDER METALLURGY. 29 Jul 66, 9p. FTD-HT-66-320; AD-644 048.
Order from CFSTI: HC$3.00, MF$0.65 as AD-644 048

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I. Plastics

NCH-206 435 Field 11I

Veselovskii, P. F.; Slutsker, A. I.
INVESTIGATIONS OF RELAXATION PROCESSES IN POLYVINYLACETATE AT TEMPERATURES BELOW THE SOFTENING POINT. Jun 66, 7p, 6refs. RTS-2620.
Order from NLL: 10s as RTS-2620

Trans. of Zhurnal Tekhnicheskoi Fiziki (USSR) v25 n5 p939-42 1955.

K. Solvents, cleaners and abrasives

TT-66-14904 Field 11K, 6A

Jaag, E.
INVESTIGATIONS ON THE EFFECT OF ENZYMES ON VARIOUS FIBERS AND THEIR IMPURITIES. 13p, 9refs.
Order from SLA: $1.60 as TT-66-14904

Trans. of Chimia (Switzerland) v1 n3 p57-63 1947.

L. Wood and paper products

TT-66-15275 Field 11L

Heuser, E.; Schmitt, R.; Gunkel, L.
THE METHYLATION OF LIGNIN. 18p, 27refs.
Order from SLA: $1.60 as TT-66-15275

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TT-66-15276 Field 11L

Kalb, L.; Schoeller, V.
THE QUESTION OF CELLULOSE DETERMINATION WITH PHENOL. 11p, 12refs.
Order from SLA: $1.60 as TT-66-15276

Trans. of Cellulose-Chemie (Germany) v4 p37-40 1923.

TT-66-15277 Field 11L

Legeler, E.
WOOD DECOMPOSITION BY MEANS OF PHENOL. 5p, 4refs.
Order from SLA: $1.10 as TT-66-15277

Trans. of Cellulose-Chemie (Germany) v4 p61-2 1923.

TT-66-15278 Field 11L

Heuser, E.; Merlau, O.
COMPARATIVE ACTION OF CHLORINE AND CHLORINE DIOXIDE ON WOOD. 30p (figs omitted) 15refs.
Order from SLA: $2.60 as TT-66-15278

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TT-66-15279 Field 11L

Hillmer, A.
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Trans. of Cellulose-Chemie (Germany) v6 p169-87 1925.

TT-66-15282 Field 11L

Okada, H.; Hayakawa, E.
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Order from SLA: $1.60 as TT-66-15282

Condensed trans. of Cellulose-Chemie (Germany) v12 p153-8 1931.

TT-66-15283 Field 11L

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PHENOL-LIGNINS AND THEIR ACETYL DERIVATIVES. 31p (figs omitted) 26refs.
Order from SLA: $3.60 as TT-66-15283

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TT-66-15284 Field 11L

Nowakowski, A.
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Order from SLA: $1.10 as TT-66-15284

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TT-66-15286 Field 11L

Wedekind, E.
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Order from SLA: $1.10 as TT-66-15286

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12 MATHEMATICAL SCIENCES

A. Mathematics and statistics

TT-66-35528 Field 12A, 20-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 75.
14 Dec 66, 27p. JPRS-39105.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35528

TT-67-60185 Field 12A

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8 Dec 66, 9p. FTD-HT-66-289; AD-643 595.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 595

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For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-67-60225 Field 12A

Zarelua, A. V.
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Jul 66, 20p, 16refs. NASA-TT-F-421; N66-31347.
Order from CFSTI: HC$3.00, MF$0.65 as N66-31347

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TT-67-60343 Field 12A

Gordeziani, D. G.
A NUMERICAL SOLUTION FOR QUASILINEAR EQUATIONS OF PARABOLIC TYPE. 18 Aug 66, 12p, 1ref. FTD-TT-65-2003; AD-644 561.
Order from CFSTI: HC$3.00, MF$0.65 as AD-644 561

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B. Operations research

TT-67-60266 Field 12B

Kulik, V. T.
APPLICATION OF EQUIVALENT PROGRAMMING TO ALGORITHMIZATION OF CONTROL MACHINES. 8 Dec 66, 47p, 6refs. FTD-HT-66-515; AD-643 995.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 995

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Nauchno-Tekhnicheskoe Obshchestvo Priborostroitelnoi Promyshlennosti. Nauchno-Tekhnicheskoe Soveshchanie (no. 3) Moscow, 1962. Trudy Soveshchaniya.

13 MECHANICAL, INDUSTRIAL, CIVIL, AND MARINE ENGINEERING

A. Air conditioning, heating, lighting and ventilating

TT-66-15268 Field 13A, 21B

Effenberger, H.
INVESTIGATIONS OF COAL DUST FLAME IN A MODEL (Untersuchungen der Kohlenstaubflamme an einem Modell). 12p (foreign text included) 2refs.
Order from SLA: $1.60 as TT-66-15268

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B. Civil engineering

NCH-206 468 Field 13B, 6C

Piteran, A.
LICHENES AS INDICATORS OF AIR POLLUTION. 16 Sep 66.
Order from JW: $1.00

Trans. of Nauka i Tekhnika (Latvian SSR) n12 p43-4 1965.

NCH-206 493 Field 13B, 11F

Jordon, W. von.
VENTURI AND RADIAL FLOW WASHERS FOR COOLING AND CLEANING IMPELLENT AND WASTE GASES. 15 Sep 66. BISI-4917.
Order from BISI: $16.80 as BISI-4917

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Coenen, W.
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Order from BISI: $11.20 as BISI-5072

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TT-66-14867 Field 13B, 6C

Mann, H.
THE SIGNIFICANCE OF DETERGENTS FOR FISHERY. 10p, 22refs.
Available on loan from SLA as TT-66-14867

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TT-66-51033/1 Field 13B, 6J

HYGIENE AND SANITATION, VOL. 30, NO. 1/3 1965. Tr. by N. Kaner. 1966, 487p, refs.
SFCSI-HEW(TT-66-51033/1).
Order from CFSTI: $3.00 as TT-66-51033/1

Trans. of Gigiena i Sanitariya (USSR) v30 n1-3 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-51159/7 Field 13B

STAUB REINHALTUNG DER LUFT IN ENGLISH, VOL. 26, NO. 7 1966. Hygiene Effects and Control of Dusts, Fogs, Gases, Vapors, Radioactive Particles.. Tr. by Ben-Yaakov. 1966, 58p, refs.
SFCSI-HEW(TT-66-51159/7).
Order from CFSTI: $3.00 as TT-66-51159/7

Trans. of technical articles and patent sections from Staub (West Germany) v26 n7 1966.
Also available on subscription $24.00/year.

TT-66-51159/8 Field 13B, 6J

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Trans. of technical articles and patent sections from Staub (West Germany) v26 n8 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-51160/1-3 Field 13B, 6E, 5I, 6I, 6J, 6T, 6H, 18H

HYGIENE AND SANITATION, VOL. 31, NOS. 1-3, 1966. Tr. by N. Kaner. 1966, 460p, refs.
SFCSI-HEW(TT-66-51160/1-3).
Order from CFSTI: $3.00 as TT-66-51160/1-3

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For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-51160/2 Field 13B, 6J, 6E, 5I

HYGIENE AND SANITATION, VOL. 31, NOS. 4/6, 1966. Tr. by N. Kaner. 1966, 491p, refs. SFCSI-HEW(TT-66-51160/2).
Order from CFSTI: $3.00 as TT-66-51160/2

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For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-62162 Field 13B, 6J

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Order from CFSTI: HC$3.00, MF$0.65 as TT-66-62162

C. Construction equipment, materials and supplies

TT-66-35209 Field 13C

Arsenev, L.
USSR INDUSTRIAL DEVELOPMENT: CONSTRUCTION, CONSTRUCTION MACHINERY, AND BUILDING MATERIALS NO. 35. Engineering Progress in Installation Organizations. 25 Nov 66, 11p. JPRS-38785.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35209

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TT-66-35414 Field 13C

Ilyin, M.
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Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35414

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TT-66-35440 Field 13C

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: MATERIALS SCIENCE AND METALLURGY NO. 6. 8 Dec 66, 10p. JPRS-39017.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35440

Abstract trans. of Chien Chu Ts'ai Liao Kung Yeh (Chinese People's Republic) n2 p2-35 1965 and K'o Hsueh Hua Pao (Chinese People's Republic) n2 p60 1966.

TT-66-35473 Field 13C

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: MATERIALS SCIENCE AND METALLURGY NO. 7. 12 Dec 66, 24p. JPRS-39050.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35473

Abstract trans. of Chien Chu Ts'ai Liao Kung Yeh Chi Shu (Chinese People's Republic) n3 p1-53 1965 and Chien Chu Ts'ai Liao Kung Yeh (Chinese People's Republic) n10 p2-35 1965.

TT-66-35527 Field 13C

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: MATERIALS SCIENCE AND METALLURGY NO. 9. 14 Dec 66, 14p. JPRS-39104.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35527

Abstract trans. of Chien Chu Ts'ai Liao Kung Yeh (Chinese People's Republic) n23 p2-35 1964.

TT-66-35575 Field 13C

USSR INDUSTRIAL DEVELOPMENT: CONSTRUCTION, CONSTRUCTION MACHINERY, AND BUILDING MATERIALS NO. 41. 16 Dec 66, 69p. JPRS-39152.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35575

TT-66-35588 Field 13C

USSR INDUSTRIAL DEVELOPMENT: CONSTRUCTION. CONSTRUCTION MACHINERY, AND BUILDING MATERIALS NO. 42. 19 Dec 66, 23p. JPRS-39165.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35588

TT-66-35603 Field 13C

USSR INDUSTRIAL DEVELOPMENT: CONSTRUCTION, CONSTRUCTION MACHINERY, AND BUILDING MATERIALS NO. 43. 20 Dec 66, 51p. JPRS-39181.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35603

TT-66-35663 Field 13C

USSR INDUSTRIAL DEVELOPMENT: CONSTRUCTION, CONSTRUCTION MACHINERY, AND BUILDING MATERIALS NO. 45. 22 Dec 66, 37p. JPRS-39241.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35663

F. Ground transportation equipment

TT-66-35466 Field 13F

Artschwager, H. J.
EAST EUROPEAN SERVICE INDUSTRIES: TRANSLATIONS NO. 490. 9 Dec 66, 17p. JPRS-39043.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35466

Trans. of Eisenbahntechnische Praxis (East Germany) v10 n9 p296-8; n10 p334-6 1966.

TT-66-35539 Field 13F, 13J

USSR TRANSPORTATION: TRANSLATIONS NO. 161. 14 Dec 66, 45p. JPRS-39116.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35539

TT-66-35617 Field 13F, 2C

USSR INDUSTRIAL DEVELOPMENT: AUTOMOTIVE AND TRACTOR INDUSTRY NO. 33. 21 Dec 66, 37p. JPRS-39195.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35617

TT-66-35695 Field 13F, 13J, 1B

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Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35695

H. Industrial processes

NCH-206 485 Field 13H

Kremer, R.
COURSE OF HEAT FLOW AND THERMAL EFFICIENCY OF FURNACE DURING HEATING OF INGOTS IN SOAKING PIT FURNACES. 15 Sep 66. BISI-4865.
Order from BISI: $19.60 as BISI-4865

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NCH-206 487 Field 13H

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Order from BISI: $15.40 as BISI-4877

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NCH-206 494 Field 13H

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Order from BISI: $9.80 as BISI-5026

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NCH-206 496 Field 13H

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Order from BISI: $15.40 as BISI-4823

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NCH-206 502 Field 13H

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Order from BISI: $21.00 as BISI-4931

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NCH-206 504 Field 13H

Koesters, F.
THE ROLLING OF SECTIONAL IRON ON A SEMI-CONTINUOUS MILL FOR MEDIUM-SIZED PRODUCTS. 22 Sep 66. BISI-4993.
Order from BISI: $16.80 as BISI-4993

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NCH-206 505 Field 13H

Kohl, F. W.
THE FOLDING, SOFT SOLDERING AND BRAZING OF HOT DIPPED, GALVANIZED STEEL SHEETS. 22 Sep 66. BISI-4998.
Order from BISI: $9.80 as BISI-4998

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NCH-206 572 Field 13H

Lehnert, G.
DIFFUSION PROCESSES FOR PROTECTION OF METALLIC SURFACES. May 66, 6p (foreign text included). INC-Trans-66/164.
Order from NLL

Trans. of Galvanotechnik (West Germany) v57 p247-53 1966.

NCH-206 574 Field 13H, 11F

Pysz, G.
DETERMINATION OF STRENGTH AND DUCTILITY PROPERTIES BY MEANS OF DEEP DRAWING TESTS. Jun 66, 6p (foreign text included) 11refs. INC-Trans-66/171.
Order from NLL

Trans. of Neue Huette (East Germany) v11 p163-7 1966.

NCH-206 575 Field 13H

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Krainer, E.
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Order from NLL

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NCH-206 576 Field 13H

Schiller, S.; Foerster, H.
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Order from NLL

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ARZEW OF THE CIE ALGERIENNE DE METHANE LIQUIDE. Apr 66, 27p (foreign text included). INC-Trans-66/121.
Order from NLL

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NCH-206 648 Field 13H

Horn, L.
PROCESS PROBLEMS IN THE PRODUCTION OF LEAD AND NICKEL-CADMIUM ACCUMULATORS. Jul 66, 7p (foreign text included) 12refs. INC-Trans-66/207.

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NCH-206 660 Field 13H

Ruegg, M.
THE TECHNOLOGY OF ELECTRODES FOR ARC WELDING. Jul 66, 22p (foreign text included). INC-Trans-66/168.
Order from NLL

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NCH-206 668 Field 13H, 11F

Benninghoff, H.
DEVELOPMENTS AND TRENDS IN THE ELECTRO-PLATING OF PRECIOUS METALS. 1966, 13p (foreign text included) refs. INC-Trans-66/245.
Order from NLL

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TT-66-35620 Field 13H, 13A, 20K

EAST EUROPEAN SCIENTIFIC ABSTRACTS: ENGINEERING AND EQUIPMENT NO. 27. 21 Dec 66, 58p. JPRS-39198.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35620

TT-66-35621 Field 13H, 11F

EAST EUROPEAN SCIENTIFIC ABSTRACTS: MATERIALS SCIENCE AND METALLURGY NO. 7. 21 Dec 66, 41p. JPRS-39199.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35621

TT-67-60138 Field 13H

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EFFECT OF QUENCHING ON THE MAGNETIC SUSCEPTIBILITY OF PALLADIUM ALLOYS WITH SMALL IRON ADDITIONS. Sep 66, 24p (foreign text included) 16refs. INC-Trans-66/254.
Order from CFSTI: HC$3.00, MF$0.65 as TT-67-60138

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TT-67-60139 Field 13H

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Order from CFSTI: HC$3.00, MF$0.65 as TT-67-60139

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For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-67-60162 Field 13H

Segaradze, V. S.; Malygina, L. V.
EFFECT OF DECARBURIZING ON THE PROPERTIES OF CARBURIZED STEEL. Oct 55, 13p (foreign text included) 2refs. INC-Trans-66/257.
Order from CFSTI: HC$3.00, MF$0.65 as TT-67-60162

Trans. of Metallovedenie i Termicheskaya Obrabotka Metallov (USSR) n7 p39-43 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-67-60164 Field 13H

Sykrin, V. G.; Tolmasskii, I. S.; Petrova, A. A.
RELATIONSHIP BETWEEN THE ELECTROMAGNETIC AND PHYSICO-CHEMICAL PROPERTIES OF CARBONYL IRON POWDER. Oct 66, 18p (foreign text included) 10refs. INC-Trans-66/273.
Order from CFSTI: HC$3.00, MF$0.65 as TT-67-60164

Trans. of Poroshkovaya Metallurgiya (USSR) v6 n7 p38-44 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-67-60165 Field 13H, 13I

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Order from CFSTI: HC$3.00, MF$0.65 as TT-67-60165

Trans. of Metallovedenie i Termicheskaya Obrabotka Metallov (USSR) n7 p2-8 1966.

TT-67-60193 Field 13H, 9B

Nikolaev, N. S.; Epshtein, V. L.
OPERATING COMPUTER SYSTEM "PROKAT" 8 Dec 66, 15p, 2refs. FTD-HT-66-613; AD-643 623.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 623

Unedited rough draft trans. of mono. Avtomaticheskoe Operativnoe Upravlenie Prizyoostvennymi Protsessami, Moscow, 1965 p134-40.

TT-67-60197 Field 13H

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QUALITY CAN BE CONTROLLED. 7 Dec 66, 10p.

FTD-HT-66-230; AD-643 627.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 627

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TT-67-60214 Field 13H

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THERMOMECHANICAL PROCESSING OF STAMPINGS OF VT14 ALLOY (Termomekhanicheskaya Obrabotka Shtampovok Splava VT14). 7 Dec 66, 11p.
FTD-HT-66-213; AD-643 629.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 629

Unedited rough draft trans. of Tsvetnye Metally (USSR) v38 n10 p75-9 1965.

I. Machinery and tools

TT-66-34982 Field 13I

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ENGINEERING AND EQUIPMENT NO. 58. 8 Nov 66, 52p. JPRS-38557.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-34982

Abstract trans. of Shang Hai Chi Hsieh (Chinese People's Republic) n6 p1-43, 46ff; n7 p1-44ff; n8 p1-46 1965.

TT-66-35095 Field 13I

Katz, R.
EAST EUROPEAN MACHINERY INDUSTRIES: TRANSLATIONS NO. 3. Economic Factors and Criteria for Equipment Modernization. 16 Nov 66, 19p. JPRS-38670.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35095

Trans. of Probleme Economice (Rumania) v19 n9 p98-110 1966.

TT-66-35128 Field 13I

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ENGINEERING AND EQUIPMENT NO. 63. 21 Nov 66, 53p. JPRS-38704.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35128

Abstract trans. of Shang Hai Chi Hsieh (Chinese People's Republic) n1 p1-43; n2 p1-43ff; n3 p1-43; n4 p1-43ff 1965.

TT-66-35357 Field 13I, 1C

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ENGINEERING AND EQUIPMENT NO. 65. 2 Dec 66, 30p. JPRS-38933.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35357

Abstract trans. of Hang K'ung Chih Shih (Chinese People's Republic) n11 p1-35 1964 and Shang Hai Chi Hsieh (Chinese People's Republic) n8 p1-47 n9 p1-48 1966.

TT-66-35387 Field 13I

Moga, A.
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Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35387

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TT-67-60302 Field 13I

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THE CALCULATION AND DESIGN OF CYLINDRICAL MATRICES OF STAMPS FOR COLD PRESSING WITH HARD-ALLOY INSERTS. 27 Sep 66, 16p, 3refs.
FTD-HT-66-398; AD-644 050.
Order from CFSTI: HC$3.00, MF$0.65 as AD-644 050

Unedited rough draft trans. of Kuznechno-Shtampovochnoe Proizvodstvo (USSR) v7 n1 p5-9 1965.

TT-67-60344 Field 13I

Shisheev, M. D.; Pospelov, G. A.
INVESTIGATION OF VIBRATION STABILITY OF BEARINGS WITH GAS LUBRICANT. 31 Aug 66, 20p, 4refs. FTD-MT-64-298; AD-644 560.
Order from CFSTI: HC$3.00, MF$0.65 as AD-644 560

Edited machine trans. of Aviatsionnyi Institut, Kazan. Trudy (USSR) v66 p97-109 1961.

J. Marine engineering

NCH-206 106 Field 13J

Nakano, S.
THE AUTOMATION OF SHIPS FROM THE POINT OF VIEW OF THE EQUIPMENT MANUFACTURER. 1966. BSRA-2393.
Order from BSRA: L5 as BSRA-2393

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NCH-206 114 Field 13J

Yoneda, K.
TIME STUDY ON CARGO LINERS AT A LOADING BERTH. 1966. BSRA-2402.
Order from BSRA: L5 as BSRA-2402

Trans. of Nautical Society of Japan. Journal, n32 p151 Jan 1965.

K. Pumps, filters, pipes, fittings, tubing and valves

TT-67-60319 Field 13K

Azarkh, D. N.; Popova, N. V.
REFERENCE CATALOG ON PUMPS. 14 Jul 66, 72p.
FTD-TT-65-1786; AD-644 164.
Order from CFSTI: HC$3.00, MF$0.65 as AD-644 164

Unedited rough draft trans. of mono. Nasosy; Katalog-Spravochnik, n.p., 1960 p85-90, 142-5, 154-60, 197-203, 242-62.

L. Safety engineering

TT-67-30008 Field 13L

POOR SAFETY MEASURES AND WORK METHODS AT MINES. 3 Jan 67, 6p. JPRS-39357.
Order from CFSTI: HC$3.00, MF$0.65 as TT-67-30008

Trans. of Trud, Moscow (USSR) 3 Dec p2 1966.

M. Structural engineering

TT-66-15306 Field 13M, 20K

Marchyukaitis, G. V.
EFFECT OF TOP CRACKS ON THE BEHAVIOR OF PRESTRESSED CONCRETE BEAMS SUBJECTED TO PULSATING LOADS. 11p, 5refs.
Order from SLA: $1.60 as TT-66-15306

Trans. of Beton i Zhelezobeton (USSR) v12 n4 p32-6 1966.

TT-66-35044 Field 13M, 6H

Veintraub, M.; Schiopu, B.
EAST EUROPEAN SERVICE INDUSTRIES: TRANSLATIONS NO. 483. 14 Nov 66, 32p. JPRS-38619.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35044

Trans. of Probleme Economice (Rumania) v19 n8 p17-27; n9 p71-84 1966.

TT-66-35555 Field 13M, 9B

Onufriev, I.; Shestopal, N.
PROBLEMS OF THE SCIENCE OF PRODUCTION ENGINEERING. 15 Dec 66, 9p (figs omitted). JPRS-39132.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35555

Trans. of Nauchno-Tekhnicheskie Obshchestva SSSR, n9 p31-4 1966.

TT-67-60254 Field 13M

Komisarova, H. L.
METHODS OF INVESTIGATING THE STABILITY OF LONGITUDINALLY CORRUGATED CYLINDRICAL SHELLS. 27 Jun 66, 7p, 2refs. FTD-TT-65-1947; AD-643 728.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 728

Unedited rough draft trans. of Akademiya Nauk URSR, Kiev. Dopovidi, n1 p33-6 1965.

14 METHODS AND EQUIPMENT

B. Laboratories, test facilities, and test equipment

TT-66-35517 Field 14B

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ENGINEERING AND EQUIPMENT NO. 69. 13 Dec 66, 9p. JPRS-39094.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35517

Abstract trans. of Chi Liang Chi Shu Yu I Ch'i Chih Tsa (Chinese People's Republic) v4 n2 p51-102; n3 p103-70 1966.

TT-67-60194 Field 14B, 20I

Grigorenko, V. G.; Dushin, L. A.
THE RAPID ACTING MICROWAVE INTERFEROMETER WITH DIRECT PHASE READING. 7 Dec 66, 14p. FTD-HT-66-272; AD-643 622.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 622

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TT-67-60240 Field 14B, 20K

Mukhin, L. M.
CERTAIN PERSPECTIVES FOR THE USE OF THE PULSE METHOD OF DETERMINING THE ELASTIC CONSTANTS. 27 Sep 66, 8p, 7refs. FTD-HT-66-406; AD-643 902.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 902

Unedited rough draft trans. of Primenenie Ultraakustiki k Issledovaniyu Veshchestva (USSR) n18 p249-52 1963.

TT-67-60246 Field 14B, 20L

Osipovich, L. A.; Smyslov, I. I.
MINIATURE SEMICONDUCTOR PRESSURE SENSOR. 29 Aug 66, 7p, 7refs. FTD-HT-66-314; AD-643 931.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 931

Unedited rough draft trans. of Priborostroenie (USSR) n10 p24-5 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-67-60257 Field 14B, 7D, 9C

Umarkhodzhaev, R. M.
SPIN OSCILLATOR. 16 Sep 66, 7p, 7refs. FTD-TT-65-1899; AD-643 720.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 720

Unedited rough draft trans. of Moscow Univ. Vestnik, Seriya 3: Fizika, Astronomiya (USSR) v19 n5 p88-9 1964.

E. Reprography

TT-67-60236 Field 14E, 15G

Narkevich, V. I.
CERTAIN QUESTIONS OF THE INCREASING INTERPRETATION PROPERTIES OF AERIAL PHOTOGRAPHS. 31 Aug 66, 27p, 17refs. FTD-MT-65-242; AD-643 896.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 896

Edited machine trans. of mono. Kompleksnoe Deshifrirovanie Aerosnimkov, Moscow, 1964 p12-23.

TT-67-60305 Field 14E

Urmakher, L. S.
OPTICS OF PHOTOGRAPHIC AND AEROPHOTOGRAMMETRIC INSTRUMENTS. 29 Jul 66, 32p.
FTD-HT-66-334; AD-644 065.
Order from CFSTI: HC$3.00, MF$0.65 as AD-644 065

Unedited rough draft trans. of mono. Optika Fotograficheskikh i Aerofotogrammetricheskikh Priborov, Moscow, 1965 p170-95.

15 MILITARY SCIENCES

TT-66-34729 Field 15-, 5J, 5D

SOVIET MILITARY TRANSLATIONS NO. 342.
25 Oct 66, 19p. JPRS-38303.
Order from CFSTI: HC$3.00, MF$0.65
as TT-66-34729

Trans. of Kommunist Vooruzhennykh Sil (USSR)
n18 p52-4, 90-2 1966.

B. Chemical, biological, and radiological warfare

TT-66-35537 Field 15B

Manojlovic, M.
MILITARY INFORMATION ON EASTERN EUROPE NO. 149. The Role of Commands and Leaders in ABC Warfare Defense. 14 Dec 66, 11p. JPRS-39114.
Order from CFSTI: HC$3.00, MF$0.65
as TT-66-35537

Trans. of Vojno Delo (Yugoslavia) n5 p3-10 1966.

TT-66-62388 Field 15B, 6F, 2A, 6O, 4B, 8M

CBE FACTORS: MONTHLY SURVEY NO. 9. (1966), 89p. ATD-66-110; AD-640 016.
Order from CFSTI: HC$3.00, MF$0.65
as AD-640 016

TT-67-60035 Field 15B, 6F, 2A, 6O, 6E, 4B, 8M

CBE FACTORS: MONTHLY SURVEY NO. 10. 1966, 101p. ATD-66-127; AD-642 358.
Order from CFSTI: HC$3.00, MF$0.65
as AD-642 358

Based on Communist World open sources.

TT-67-60342 Field 15B, 6F, 2A, 6O, 6E, 4B, 8M

CBE FACTORS: MONTHLY SURVEY NO. 11. 1966, 151p. ATD-66-135; AD-644 464.
Order from CFSTI: HC$3.00, MF$0.65
as AD-644 464

Based on Communist World open sources.

C. Defense

TT-66-35292 Field 15C

Vishnevetskii, F.; Beschastnov, P.; Sergeev, A.; Shutov, S.
SOVIET MILITARY TRANSLATIONS NO. 355. Civil Defense and DOSAAF. 30 Nov 66, 8p. JPRS-38868.
Order from CFSTI: HC$3.00, MF$0.65 as
TT-66-35292

Trans. from Sovetskii Patriot (USSR) 5 Oct p3, 4 1966.

TT-66-35396 Field 15C

Isakov, G.; Barinov, V.; Rotor, F.; Morozov, B.; Druglyi, A.; Shumeiko, N.
SOVIET MILITARY TRANSLATIONS NO. 358.
Civil Defense and DOSAAF. 6 Dec 66, 37p
(figs omitted) refs. JPRS-38973.
Order from CFSTI: HC$3.00, MF$0.65
as TT-66-35396

Trans. of Voennye Znaniya (USSR) n10 p16-27 1966.

TT-67-60216 Field 15C

Gorshkov, S.; Zotov, V.; Milovskii, M.; Tarslov, A.; Malykhin, F.
REAR AND SUPPLY OF THE SOVIET ARMED FORCES, NO. 7. 6 Oct 66, 108p. J-0725; AD-643 648.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 648

Trans. of Tyl i Snabzhenie Sovetskikh Vooruzhennykh Sil (USSR) n7 p1-96 1966.

TT-67-60217 Field 15C

THE REAR AND SUPPLY OF THE SOVIET ARMED FORCES, NO. 4. 14 Nov 66, 102p. J-0086; AD-643 647.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 647

Trans. of Tyl i Snabzhenie Sovetskikh Vooruzhennykh Sil (USSR) n4 p3-49, 54-73, 75-86, 95-6 1966.

D. Intelligence

TT-66-35580 Field 15D, 17I

Kopenhagen, W.
USE OF PLOTTERS IN THE EAST GERMAN AIR DEFENSE SYSTEM. 16 Dec 66, 59p. JPRS-39157.
Order from CFSTI: HC$3.00, MF$0.65 as
TT-66-35580

Trans. of mono. Planzeichner, East Berlin, 1966 55p.

16 MISSILE TECHNOLOGY

No Entries

17 NAVIGATION, COMMUNICATIONS DETECTION AND COUNTERMEASURES

B. Communications

TT-66-15347 Field 17B

Montoriol, E.
SELECTION OF A SINGLE TELEGRAPH APPARATUS

FOR THE INTERNATIONAL SERVICE. 17p, 2refs.
Order from SLA: $1.60 as TT-66-15347

Trans. of Annales des Postes, Telepgraphes et Telephones (France) v17 n2 p92-105 1928.

TT-66-15348 Field 17B

Montoriol, E.
INVESTIGATION CONCERNING AN ELEMENTARY FIVE-SIGNAL ALPHABET FOR INTERNATIONAL TELEGRAPH SERVICE. 9p.
Order from SLA: $1.10 as TT-66-15348

Trans. of Annales des Postes, Telegraphes et Telephones (France) v17 n1 p24-30 1928.

TT-66-35208 Field 17B

Muravskii, B.
USSR COMMUNICATIONS: TRANSLATIONS NO. 74. 25 Nov 66, 10p. JPRS-38784.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35208

Trans. from Sovetskaya Latiya (Latvian SSR) 24 Sep p2 1966 and news briefs Pravda, Leningrad (USSR) 19 Aug p4 1966.

TT-66-35467 Field 17B

Stefanov, Ya.
EAST EUROPEAN ELECTRONIC AND PRECISION EQUIPMENT INDUSTRIES: TRANSLATIONS NO. 4. Development and Trends in Television Production. 9 Dec 66, 14p, 5refs. JPRS-39044.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35467

Trans. of Ikonomicheska Misul (Bulgaria) v11 n8 p112-8 1966.

TT-67-60199 Field 17B, 17G, 17I, 9E

Krivitskii, B. Kh.
AUTOMATIC SYSTEMS IN RADIOENGINEERING DEVICES. 15 Sep 66, 742p, 126refs. FTD-HT-66-253; AD-643 593.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 593

Unedited rough draft trans. of mono. Avtomaticheskie Sistemy Radiotekhnicheskikh Ustroistv, Moscow/Leningrad, 1962 664p.

I. Radar detection

TT-67-60272 Field 17I

Bibichkova, R. P.; Demin, I. D.; Dmitriev, R. P.
CENTRAL NAVAL SCIENTIFIC-RESEARCH INSTITUTE. INFORMATION COLLECTION, NO. 79: SELECTED ARTICLES. 8 Aug 66, 27p, 9refs. FTD-MT-65-35; AD-643 974.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 974

Edited machine trans. of Tsentralnyi Nauchno Issledovatelskii Institut Morskogo Flota. Informatsionnyi Sbornik (USSR) n79 p31-9, 56-63 1962.

TT-67-60328 Field 17I

Bakulev, P. A.
RADAR LOCATION OF MOVING TARGETS. 27 May 66, 317p. FTD-MT-64-554; AD-644 144.
Order from CFSTI: HC$3.00, MF$0.65 as AD-644 144

Edited machine trans. of mono. Radiolokatsiya Dvizhushchikhsya Tselei, Moscow, 1964 336p.

18 NUCLEAR SCIENCE AND TECHNOLOGY

A. Fusion devices (Thermonuclear)

TT-67-60180 Field 18A

NUCLEAR FUSION, VOL. 6, NO. 2, 1966: SELECTED ARTICLES 1966, 76p, 54refs. AEC-tr-6674.
Order from CFSTI: HC$3.00, MF$0.65 as AEC-tr-6674

Trans. from Nuclear Fusion (Austria) v6 n2 p83-100, 118-129 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

D. Nuclear instrumentation

TT-66-15371 Field 18D, 18H

Marquier, G.; Juillard, A.
INTERNAL CONVERSION ELECTRON SPECTRA OF Pm(151) yields Sm(151) DECAY (Spectre des Electrons de Conversion Interne de la Desintegration (151)Pm yields (151)Sm). Tr. by P. L. Moore. 4p, 4refs. ORNL-tr-190.
Order from SLA: $1.10 as TT-66-15371

Trans. of Academie des Sciences, Paris. Comptes Rendus (France) v256 p3053 1963.

TT-67-60286 Field 18D, 9A

Ryvkin, S. M.; Matveev, O. A.; Strokan, N. B.
SEMICONDUCTOR NUCLEAR PARTICLE COUNTERS. 16 Aug 66, 57p, 23p. FTD-MT-65-138; AD-644 024.
Order from CFSTI: HC$3.00, MF$0.65 as AD-644 024

Edited machine trans. of Poluprovodnikovye Schetchiki Yadernykh Chastits (USSR) v10 40p 1964.

19 ORDNANCE

A. Ammunition, explosives, and pyrotechnics

TT-67-60200 Field 19A

Andreev, K. K.; Belyaev, A. F.
THEORY OF EXPLOSIVE SUBSTANCES. 7 Oct 66, 859p. FTD-MT-64-242; AD-643 597.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 597

Edited machine trans. of mono. Teoriya Vzryvchatykh Veshchestv, Moscow, 1960 595p.

20 PHYSICS

TT-66-35622 Field 20-, 12A

EAST EUROPEAN SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 74. 21 Dec 66, 75p. JPRS-39200.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35622

B. Crystallography

NCH-206 650 Field 20B, 11F

Popereka, M. Ya.
CLASSIFICATION OF ELECTRODEPOSITED METALS ACCORDING TO THE SIGN OF INTERNAL STRESSES. Aug 66, 8p (foreign text included) 22refs.
INC-Trans-66/204.
Order from NLL

Trans. of Elektrokhimiya (USSR) v2 n4 p402-5 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

NCH-206 652 Field 20B, 11F, 13H

Friedl, K.
RAISING SERVICE LIFE OF CREEP-STRESSED HIGH TEMPERATURE ALLOYS BY A REGENERATIVE HEAT TREATMENT. Jul 66, 6p (foreign text included).
INC-Trans-66/201.
Order from NLL

Trans. of Brown Boveri Mitteilungen (Switzerland) v53 p114-25 1966.

TT-67-60192 Field 20B, 20L, 11F

Sobolev, V. V.
ENERGY STRUCTURE OF ALUMINUM ANTIMONIDE ZONES. 21 Nov 66, 8p, 6refs. FTD-HT-66-490; AD-643 624.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 624

Unedited rough draft trans. of Zhurnal Prikladnoi Spektroskopii (USSR) v3 n4 p372-4 1965.

TT-67-60281 Field 20B

Larikov, L. N.; Zasimchuk, O. E.; Kutikhina, Zh. Ya.
THE EFFECT OF PRELIMINARY RECOVERY ON THE RECRYSTALLIZATION KINETICS OF DEFORMED METALS. 5 Oct 66, 11p, 14refs. FTD-HT-66-179; AD-643 925.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 925

Unedited rough draft trans. of Ukrayinskyi Fizychnyi Zhurnal (USSR) v10 n8 p899-05 1965.

C. Electricity and magnetism

TT-67-60189 Field 20C, 20A

Savchenko, M. A.; Hann, V. V.; Ryabko, P. V.
FERROACOUSTIC RESONANCE IN MAGNETIC MEDIA. 7 Dec 66, 19p, 7refs. FTD-HT-66-217; AD-643 600.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 600

Edited trans. of Ukrayinskyi Fizychnyi Zhurnal (USSR) v10 n3 p263-74 1965.

TT-67-60232 Field 20C, 20E

Karlov, N. V.
SCESSIONS OF THE SECTION ON GENERAL AND APPLIED PHYSICS. 27 Sep 66, 6p.
FTD-HT-65-458; AD-643 875.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 875

Unedited rough draft trans. of Akademiya Nauk SSSR. Vestnik, v35 n8 p82-4 1965.

D. Fluid mechanics

TT-67-60203 Field 20D, 20M

Orlov, V. N.; Freidin, A. S.; Gorelov, G. M.; Lyakhov, V. K.; Temnikov, A. V.
PROCEEDINGS OF THE GROUP SCIENTIFIC AND TECHNICAL CONFERENCE ON PROBLEMS OF FLUID MECHANICS (SELECTED PARTS). 13 Oct 66, 73p, 9refs. FTD-TT-65-1366; AD-643 643.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 643

Unedited rough draft trans. of Aviatsionnyi Institut, Kuybyshev. Trudy (USSR) v15 (sic) p106-56, 299-307 1963.
Doklady Kustovoi Nauchno Tekhnicheskoi Konferentsii Po Voprosam Mekhaniki Zhidkosti i Gasa.

TT-67-60212 Field 20D

Yurev, I. M.
NOZZLE DESIGN. 14 Jul 66, 6p, 1ref. FTD-HT-66-159; AD-643 632.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 632

Unedited rough draft trans. of Prikladnaya Matematika i Mekhanika (USSR) v19 n1 p103-5 1965.

TT-67-60221 Field 20D

Babenko, K. I.; Voskresenskii, G. P.; Lyubimov, A. N.; Rusanov, V. V.
THREE-DIMENSIONAL FLOW OF IDEAL GAS PAST SMOOTH BODIES. Tr. by O. C. Enikeieff. Apr 66, 522p, refs. NASA-TT-F-380; N66-25022.
Order from CFSTI: HC$3.00, MF$0.65 as N66-25022

Trans. of mono. Prostranstvennoe Obtekanie Gladkikh tel Idealnym Gazom, Moscow, 1964.

TT-67-60322 Field 20D, 10A

Ipatenko, A. Ya.; Antonov, A. M.
VISUALIZATION OF TRANSITION PHENOMENA IN THE BOUNDARY LAYER ON THE BLADES OF A TURBINE CASCADE. 29 Jul 66, 10p, 1ref. FTD-HT-66-319; AD-644 167.
Order from CFSTI: HC$3.00, MF$0.65 as AD-644 167

Unedited rough draft trans. of Izvestiya Vysshikh

Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) n3 p76-82 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

E. Masers and lasers

TT-67-60190 Field 20E

Chu Ang-ju.
LASER. 21 Nov 66, 20p. FTD-TT-65-1453; AD-643 606.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 606

Edited trans. of Tien Tzu Chi Shu (Chinese People's Republic) n3 p24-8 1964.

TT-67-60248 Field 20E, 9C

Ksander, Yu., comp.
SOVIET QUANTUM ELECTRONICS RESEARCH: COMPREHENSIVE REPT. 2 Aug 66, 132p, 634refs. ATD-66-97; AD-643 937.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 937

Rept. on Surveys of Foreign Scientific and Technical Literature.

F. Optics

TT-66-14602 Field 20F

Kopylov, G. I.
SOME HOLOGRAM PROPERTIES. 5p, 2refs.
Order from SLA: $1.10 as TT-66-14602

Trans. of Joint Institute of Nuclear Research, Dubna. (USSR) P-2652, 1966.

TT-67-60297 Field 20F, 20E

Broude, V. L.; Vilchynska, L. P.
ON THE CHARACTERISTICS OF INDUCED COMBINED DISPERSION IN BENZENE. 27 Sep 66, 6p, 7refs. FTD-HT-66-174; AD-644 009.
Order from CFSTI: HC$3.00, MF$0.65 as AD-644 009

Unedited rough draft trans. of Ukrayinskyi Fizychnyi Zhurnal (USSR) v9 n9 p1031-32 1964.

TT-67-60298 Field 20F, 7D

Babych, I. L.; Kondilenko, I. I.
INTERMOLECULAR REACTION AND DISPLACEMENTS OF OSCILLATION FREQUENCIES OF MOLECULES IN COMBINED DIFFUSION SPECTRAS. 18 Aug 66, 6p, 7refs. FTD-HT-66-171; AD-644 010.
Order from CFSTI: HC$3.00, MF$0.65 as AD-644 010

Unedited rough draft trans. of Ukrayinskyi Fizychnyi Zhurnal (USSR) v8 n11 p1270-1 1963.

TT-67-60310 Field 20F

Levitin, I. B.
TECHNOLOGY OF INFRARED RADIATION. 29 Jul 66, 72p. FTD-MT-65-133; AD-644 071.
Order from CFSTI: HC$3.00, MF$0.65 as AD-644 071

Edited machine trans. of mono. Tekhnika Infrakrasnykh Izluchenii, Moscow, 1959 80p.

G. Particle accelerators

TT-66-35496 Field 20G

Mints, A.
SOVIET PLANS FOR ACCELERATORS. 13 Dec 66, 6p. JPRS-39073.
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-35496

Trans. from Nedelya (USSR) n48 20-26 Nov p4-5 1966.

H. Particle physics

TT-67-60265 Field 20H, 18H

Wang Shih-Ti; Wang Yung-Ch'ang.
THE INTERACTION OF NEUTRONS WITH URANIUM-235 NUCLEI IN THE ENERGY REGION OF 0.002-30 KEV. 12 Sep 66, 22p, 22refs. FTD-HT-66-338; AD-643 958.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 958

Unedited rough draft trans. of Konferentsiyu po Fizike i Khimii Deleniya v Zaltsburge, Austriya, 22-26 Marta 1965. Predstavleno, Dubna, 1965 25p.

I. Plasma physics

TT-67-60237 Field 20I, 20D

Dyukalov, A. M.
KINETIC DESCRIPTION OF A RAREFIELD FULLY IONIZED PLASMA. 29 Aug 66, 22p, 11refs. FTD-HT-66-399; AD-643 901.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 901

Unedited rough draft trans. of Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki (USSR) n6 p39-49 1964.

TT-67-60267 Field 20I, 7D, 4A

Brodskii, V. B.; Zagik, S. E.
MEASUREMENT OF STICKING PROBABILITY AND RECOMBINATION COEFFICIENT OF ELECTRONS IN GASSES BY THE METHOD OF PENETRATING RADIATIONS. 24 Aug 66, 18p, 12refs. FTD-MT-545; AD-643 957.
Order from CFSTI: HC$3.00, MF$0.65 as AD-643 957

Edited machine trans. of mono. Izmereniya Koeffitsientov Prilipaniya i Rekombinstsii Elektronov v Gazakh Metodom Pronikayushchikh Izluchenii, Moscow, 1965 14p.

TT-67-60289 Field 20I

Aladev, I. T.; Kulakov, I. G.; Magdagiev, O. L.; Shatilov, A. P.
INVESTIGATION OF AN ELECTRODELESS RING DISCHARGE IN ARGON AND IN AIR. 30 Jun 66, 20p, 6refs. FTD-MT-65-549; AD-644 005.
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J. Quantum theory

TT-67-60211 Field 20J, 20H

Grigorev, V. I.
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TT-67-60264 Field 20K, 9C

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TT-67-60285 Field 20K

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L. Solid-state physics

NCH-206 644 Field 20L

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TT-67-60140 Field 20L

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TT-67-60206 Field 20L

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TT-67-60340 Field 20L

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TT-67-60288 Field 20M, 21B, 20D

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21 PROPULSION AND FUELS

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D. Fuels

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E. Jet and gas turbine engines

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G. Reciprocating engines

TT-66-15267 Field 21G

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22 SPACE TECHNOLOGY

TT-67-60224 Field 22-, 4A

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B. Spacecraft

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